NAVAL STATION TREASURE ISLAND
REMEDIAL PROJECT MANAGER AND
BASE REALIGNMENT AND CLOSURE CLEANUP TEAM
MEETING MINUTES

OCTOBER 3, 2000

The meeting agenda and sign-in sheet are included as Attachment 1. The following people attended the meeting on October 3:

John Baur	International Technology Corporation (IT)
Michael Bloom	Naval Facilities Engineering Command, Southwest Division (SWDIV)
Virginia Demetrios	Tetra Tech EM Inc. (TtEMI)
Gary Foote	Geomatrix Consultants (Geomatrix) (consultant to the City of San Francisco)
Peggy Peischl	Geomatrix
David Rist	California Department of Toxic Substances Control (DTSC)
James Sullivan	SWDIV
Tony Tactay	SWDIV
Martha Walters	San Francisco Redevelopment Agency (SFRA)
Anju Wicke	TtEMI
Jerry Wickham	TtEMI
Erika Wise	TtEMI
Marcy Yeshnowski	TtEMI

Jim Sullivan (SWDIV) began the meeting with introductions. Virginia Demetrios (TtEMI) is the new Treasure Island (TI) Installation Coordinator; she will replace Anju Wicke, who will be going on maternity leave beginning October 13, 2000. Gary Foote (Geomatrix) introduced Peggy Peischl, who has joined him as a consultant to the City of San Francisco. Michael Bloom noted that Marcelo Pascua has left SWDIV to take an opportunity with the U.S. Army Corps of Engineers and would, therefore, no longer be working on Treasure Island. Mr. Sullivan then proceeded with the first item on the agenda.

Date Draft: November 21, 2000
Date Final: May 1, 2001

FINAL

I. Draft Proposal for Second Phase of Site 12 Soil Gas Sampling

Erika Wise (TtEMI) distributed two handouts, a set of tables and a figure showing proposed soil gas sampling locations (see Attachment 2), for discussion. Jerry Wickham (TtEMI) stated that the goal of this discussion was to go through the step-by-step process used to screen the soil gas data and present the rationale for proposed step-out sampling locations. Ms. Wise discussed each of the data tables and the Site 12 map of existing and proposed soil gas sampling locations. She described the areas where TtEMI is proposing the step-out samples and the rationale for the sampling. Table 1 lists the validated data, organized by location. Table 2 indicates which volatile organic compound (VOC) detections were over the U.S. Environmental Protection Agency Region IX ambient air preliminary remediation goals (PRG); it also provides the concentrations of sulfur compounds and fixed gases detected in each sample. Ms. Wise continued by explaining that the next two tables were primarily used to propose where the step-out samples should be collected. Table 3 lists the ambient air PRG and the concentrations in soil vapor that would result in 10^{-6}, 10^{-5}, and 10^{-4} excess cancer risks for indoor air using the Johnson and Ettinger Model for Soil Vapor Intrusion into Buildings. She noted that not all compounds could be run through the model and in those cases, the screening value is 1,000 times the PRG. Mr. Wickham stated that using 1,000 times the PRG was a conservative screen because it is generally lower than the value from the Johnson and Ettinger model. Ms. Wise explained that this information was used to compile Table 4, a composite of all the soil gas detections that exceeded the screening criteria. The table lists the soil gas concentrations, the screening criteria, and the risk the actual concentration generated when put in the Johnson-Edger model. Ms. Wise concluded by stating that the proposed sampling step-out locations are near areas where the potential excess cancer risks from soil gas exceeded 10^{-5}. Ms. Wise then walked the group through an example in response to Gary Foote's request.

David Rist (DTSC) asked for more specific details about the intended use for the data. Mr. Wickham stated that the soil gas sampling step-outs would facilitate characterization. He then cited the examples of sampling locations SG-24, SG-81, and SG-38. Elevated methane has been detected at SG-24 but no step-out sampling is proposed because the location is completely bounded by existing surrounding locations. Step-out sampling is proposed in the areas of SG-81 and SG-38 because the data exceed screening criteria and are not bounded in all directions by existing locations.

Mr. Bloom asked for more clarification on the purpose of using 1,000 times the ambient air value. Ms. Wise explained that most of the cancer risks were derived from running the chemicals through the Johnson and Ettinger model. Some chemicals cannot be run through the model (such as chloromethane); in those instances, 1,000 times the ambient air PRG was used. Mr. Bloom asked why 1,000 times the ambient air PRG was chosen. Mr. Wickham stated that 1,000 times the ambient air PRG is a lower concentration than the screening value derived from the Johnson and Ettinger model, as shown for many chemicals on Table 3; therefore, it was used as a conservative screen.

Mr. Rist stated that it would be necessary to prepare a narrative to accompany the data tables and figures before DTSC could approve the proposed step-out locations. Mr. Wickham stated that it was previously understood that a step-by-step series of tables and figures demonstrating how the proposed step-outs were derived would be sufficient. It was decided by the group that rather than writing a full work plan, a brief memorandum describing the screening criteria and how the step-out locations were

selected would suffice. A follow-up conference call with DTSC might also be necessary before approval.

Mr. Bloom asked what course of action would be necessary to conduct the proposed step-out sampling. Mr. Wickham replied that the second phase of sampling is already documented in the field sampling plan. He stated that because some step-out locations are close to residences, a notification process would be necessary. A subcontractor should be secured before sampling could proceed.

Mr. Wickham stated that while there is no other sampling scheduled for the area of SG-24, he would recommend more work on the gas line in that area. He suspects that the gas line is leaking and would like to investigation further. No scope currently exists for that work. Mr. Bloom stated that he would discuss this issue with Mr. Sullivan and TtEMI at a later time.

Mr. Wickham stated that the residents who would receive notification are those living in buildings 1325, 1217, 1219, and 1228.

Mr. Rist asked which locations had the highest methane percentages. Ms. Wise stated that the points circled in yellow on the figure are the highest methane percentages. Mr. Rist commented that two of the points are on the natural gas line. Mr. Wickham stated that two of four initial soil gas sampling points collected approximately one year ago contained high concentrations of methane: one at the southern end of debris disposal area A (SG-04) and one in the central portion of debris disposal area A (SG-01). Mr. Bloom noted that four of the five high methane points were located near the gas line. Mr. Rist asked what course of action would be taken if the data indicated that the gases were not a result of the gas line. Mr. Wickham stated that it would be handled as any other area of contamination.

Mr. Rist then inquired about SG-38 and asked whether it would be advantageous to sample to the west in that area. Mr. Wickham stated that the area near SG-38 is proposed for step-out sampling because it had a hit of trichloroethene and 1,1,2,2-tetrachloroethane in soil gas, not methane. Mr. Rist expressed concern that the current data points may not sufficiently determine whether this is only an isolated case. He proposed that it might be advantageous to bore through the road that bisects data points to strengthen the data set. Mr. Rist expressed concern that the road and sidewalk may cover the greatest area of concentration. Ms. Wicke stated that the whole area would eventually be addressed because the data have been used to determine that VOCs and methane are present in the soil gas.

Mr. Foote asked whether point SG-81 was located in a residential back yard. Ms. Wise stated that it was in the very edge of the yard, on the other side of the fence, near the gate. Mr. Rist and Martha Walters inquired about the details of the notification process. Mr. Wickham stated residents in 1325, 1228, 1219, and 1217 would be included because of the proximity to the buildings. He stated that the last notification had been rather informal: TtEMI simply went door-to-door explaining that they would be out sampling. He continued by saying that the notification should particularly address the noise nuisance and proposed that a similar method be used again. Ms. Walters stated that she needs to discuss the notification process with John Stewart (SFRA) before it can be approved. She does not expect objection.

It was decided that the narrative should be complete in 2 weeks and that a conference call should be scheduled for the following week (specific times will be determined via email). Ms. Wicke confirmed that the narrative would be a brief two-page description of the data tables and figures that referenced the original work plan. Mr. Rist requested that more detail be listed on the figure titles so that they can be identified more easily. Mr. Foote reiterated that the rationale for why a 10^{-5} cancer risk was used as screening criteria should be included and Mr. Rist agreed.

II. Update on Former Storage Yard

Jim Sullivan introduced the second item and asked John Baur to update the group on the current state of the Former Storage Yard area. Mr. Baur stated that the entire area has been brought up to subgrade and that final grade cannot be completed until site restoration is approved. He continued by saying that the area is approximately 8 to 10 inches below planned final grade. All of the utilities have been brought back on line, including water, gas, and electric, and the area is still fenced in and waiting for site restoration.

Ms. Walters asked when the site restoration activities would begin, what the fiscal year 2001 (FY 01) budget looks like, and when the funds will be available. Mr. Bloom stated the Navy expects the FY 01 funds to be available anytime between November and January. Mr. Sullivan estimated the entire TI budget would be around 30 million dollars. Ms. Walters then asked how long it would take IT to receive funds from the Navy to begin restoration. Mr. Sullivan thought that because the work plans and contracts are already in place, transferring funds to IT would be a fairly quick process. Ms. Walters asked how long it would take IT to begin work once funds have been transferred, and Mr. Baur replied that IT would be able to begin restoration within a few days of receiving funds. He stated that site restoration would take between 4 and 6 weeks. Ms. Walters requested that the group be informed when the Navy got their FY01 first quarter allocation, and Mr. Bloom agreed.

Ms. Walters then stated that she had previously asked Mr. Sullivan if the 3-week analytical time for the indoor ambient air data could be condensed to a 1-week rush analytical period so that Treasure Island Development Authority (TIDA) can begin rehabilitation work on November 1, 2000. Prompted by the group's questioning, Ms. Walters stated that TIDA has not yet begun working. Ms. Wicke asked whether buildings 1100 and 1103 could be worked on last, and Ms. Walters said that TIDA would stagger the work accordingly, though many groups are working simultaneously. Ms. Wicke noted that the indoor air data are scheduled to be sent to the laboratory later in the week and that even with a normal turnaround time, the data may be available in time. Mr. Sullivan stated that he didn't have a good understanding as to whether TIDA had a timeframe or if they had set goals in terms of dates of occupancy. Mr. Baur and Ms. Walters discussed that building rehabilitation usually lasted between 3 to 4 months, though the duration is variable. Also, Ms. Walters stated that because they have been delayed for so long, she sensed that it would take less time than usual. Mr. Sullivan stated that he wanted to be able to give the indoor air data to the TIDA team so they could begin the building rehabilitation process. Ms. Walters stated that a 3-week turnaround time would be too long and that the data should be analyzed as soon as possible to give TIDA advance notice of decisions made. The group decided that it would be ideal to rush the analysis if possible, though TtEMI and the Navy should discuss whether the current budget could handle that expense.

FINAL

Mr. Rist asked whether a finding of suitability to lease (FOSL) amendment would be generated for the area. Mr. Sullivan stated that the Navy had always intended to write a FOSL amendment to represent the current state of the Former Storage Yard as it is now known. Mr. Rist asked whether that would be complete before occupancy; Mr. Sullivan and Ms. Walters both replied yes.

Mr. Rist then asked about the status of the Navy letter to DTSC regarding soils left in place at the Former Storage Yard and stated that DTSC had concerns, specifically about elevated PCBs and future groundwater monitoring in that area. He also pointed out that Sarah Raker voiced the RWQCB's concern on that same issue in an e-mail sent to the group earlier in the week. Mr. Sullivan stated that the Navy had received the necessary data from TtEMI and IT to compose the previously mentioned letter and explained that he was currently working on getting that out to the agencies. Ms. Walters asked whether the RWQCB issue of the monitoring wells would be addressed and stated that if additional action would be needed in that area, that it would be best to know now. Mr. Bloom asked whether additional action referred to the installation of new wells; both Ms. Walters and Mr. Rist replied that the potential exists for additional removal actions. Mr. Rist also indicated that new monitoring wells would be a possibility and would need to be evaluated by the BCT.

Mr. Rist continued by noting that Tony Landis of DTSC wished to see data soon so that any necessary action could be taken before occupancy. He stated that a miniature feasibility study (FS) should be conducted to address the contamination below 4 feet. Ms. Walters asked Mr. Rist to clarify whether he was talking about soil samples at 4 feet or groundwater issues, and Mr. Rist clarified that he was talking about soil. Ms. Walters asked whether a removal action below 4 feet would be necessary before a FOSL amendment. Mr. Rist commented that if a FOSL was completed before an evaluation of the contamination, DTSC might not agree. Both Ms. Wicke and Ms. Walters requested technical justification for that position. Ms. Wicke, Ms. Walters, and Mr. Rist debated as to whether this issue should be addressed in a FOSL or finding of suitability to transfer (FOST). The DTSC position is that the issue should be addressed before the buildings were leased. Ms. Walters again requested specific technical justification as to why contamination below 4 feet would prohibit a FOSL amendment. Mr. Rist stated that DTSC should obtain the letter from the Navy so that they can better define their position. Mr. Sullivan stated that the Navy would provide that letter to the agencies in a week.

Mr. Sullivan opened the floor to any other questions or concerns about the Former Storage Yard. Ms. Walters asked whether DTSC felt that anything would prohibit people from occupying the Bigelow and Flounder Court, given all that is known. Mr. Rist stated that based on the data available to date, leasing would not be prohibited but explained DTSC was still waiting on the postclosure report. A review of that report would be necessary before DTSC could make a recommendation about whether leasing and occupancy would be possible for the Bigelow and Flounder Court area. Ms. Wicke stated that TtEMI would begin writing their portion of the report once the indoor air sampling was complete. Mr. Baur added IT Corp. was planning on presenting their results in two sections, one to address the removal portion and one to incorporate the restoration portion. Also, IT is held up because of restricted funding.

Mr. Sullivan directed the discussion to the groundwater issues at the Former Storage Yard. He presented two courses of action that could occur if a significant detection was found. First, it may be determined that the contamination is not migrating. Second, treatment would be necessary. He noted

that if treatment were necessary, it could either be done as a source removal or in a manner that directly treated the water. Ms. Wicke stated that TtEMI would evaluate past data to respond to Ms. Raker's concerns. The data will be presented to her via e-mail and, if necessary, a discussion will be scheduled. All members of the Base Realignment and Closure (BRAC) Cleanup Team (BCT) will be copied on the e-mail response to Ms. Raker.

III. Treasure Island Basewide Schedules

Mr. Bloom introduced discussion on TI base-wide schedules. He confirmed that everyone had received a copy and been able to look through them. He stressed that the schedules were based on the understanding that the Federal Facility Site Remediation Agreement (FFSRA) will be amended to incorporate the new dates. He noted that the schedules were based on the previously agreed upon document production and review periods. Mr. Bloom expressed that this should be a working session to evaluate comments and begin to resolve any associated issues. He also expressed a desire to establish a course of action to finalize the schedule so that it can be appended into the FFSRA. The group decided that it would be most effective to compile a list of all comments (See Attachment 3). The Navy could discuss each issue.

Mr. Rist made the following comments on behalf of DTSC:

- Mr. Rist stated that there was originally an onshore remedial investigation (RI), a Site 12 RI, and an offshore RI. Because the dates for these sites in the new schedule are staggered, he is unclear as to how the documentation will be organized. It is unclear whether new separate operable units (OU) will be generated or whether the RIs will be compiled once the last one is complete.
- Mr. Rist did not see any documentation for the Yerba Buena Island (YBI) property. He stated that there was documentation for some sites (8, 28 and 29) but nothing for the entire property transfer. Mr. Rist noted that where lead-based paint issues had already been addressed, DTSC would like to see that documented. Ms. Demetrios noted that DTSC's concerns were with compliance programs other than the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), but it is DTSC's stance that these are CERCLA issues and need FOST documentation. Mr. Baur asked whether that would include an FS for lead results, and Mr. Rist stated that he was unsure because an action was already taken. Ms. Demetrios summarized DTSC's position that an area-wide Remedial Action Plan (RAP) would be necessary to cover all of YBI. Mr. Bloom asked whether this was just for YBI, and Mr. Rist replied that it would need to be done for everything. Mr. Bloom asked how past lead-based paint work would be tied into documentation. He also asked whether parcels that have been identified as clean would need to be included. Mr. Rist responded that sites are from fence line to fence line and that it has not yet been documented (from the 1995 RI) how parcels dropped out of the process. He stated that this should be documented in the RAP. Ms. Walters asked why sites determined clean in the original Preliminary Assessment/ Site Inspection (PA/SI) would need to be brought back into the CERCLA process. Mr. Rist clarified that although it was not necessary for these parcels to be included in the RI, they should still be addressed. Ms. Wicke stated that these sites would be documented in a site-specific environmental baseline survey as well as a FOST. When asked by the group, Mr. Rist

stated that he wasn't asking for these sites to become a part of the schedule. Mr. Tactay asked whether DTSC's philosophy was heading towards a base-wide record of decision (ROD) and RAP, and Mr. Rist stated yes. Ms. Demetrios stated that it has been DTSC's position on other bases as well, but that DTSC has not been successful. Mr. Bloom stated that he wasn't aware of this sentiment and expressed his concerns because the Navy intends to transfer a great amount of clean property next fiscal year. Ms. Demetrios stated that there have been ways to address it and cited as an example DTSC preparing their own base-wide RAP for Mare Island.

- Mr. Rist stated that he was not going to comment on the Corrective Action Plan (CAP) sites and would let Ms. Raker handle them.
- With regard to the schedule for Site 8, Mr. Rist said he thought that it was previously decided that no further action is necessary, but the schedule shows additional investigation. Ms. Wicke mentioned that there is an outstanding issue with the California Department of Fish and Game (CDFG), and that DTSC advised the Navy to try and get them involved. If CDFG doesn't express interest, no further action will be taken. She also reiterated Mr. Bloom's previous point that these schedules are conservative. Mr. Foote then stated that he was unsure whether the City of San Francisco would agree that no further action be taken at Site 8. He felt that additional investigation may be necessary, specifically because no soil samples had been analyzed for VOCs. He also noted that while groundwater appears deep at this site, no groundwater samples have been collected.
- With regard to the schedule for Site 9, Mr. Rist stated that he felt 90 days was very long for field investigation and wondered how that duration was determined. He added that this question applies to many other sites as well. Then Mr. Rist commented that the public notice dates for the sites were all different as well (see first comment) and was wondering how the Navy planned to go through the process.
- As he previously mentioned, Mr. Rist felt that 180 days for field investigation at Site 11 was very long and wondered how this was determined. He also inquired as to how bridge construction would affect the work scheduled for this site and whether there have been any discussions between California Department of Transportation (Caltrans) and the Navy to coordinate their efforts. Mr. Bloom responded that there is different management in the Navy that handles the bridge realignment issues. He stated that this department is aware of the IR sites and explained that they have an understanding of the implications. Mr. Rist noted that this comment applies to sites 8, 11, and 29. He then added that it is likely more lead will be released onto the ground once the bridge is torn down and that it is imperative for someone to claim responsibility. Mr. Rist suggested discussing that issue now to avoid future conflicts. His final comment regarding Site 11 concerned the 250-day remediation; he felt like that duration was excessive. Mr. Rist then requested for more clarification as to how those durations were decided.
- With regard to the schedule for Site 12, Mr. Rist stated that DTSC has requested a plan for additional investigation at four debris areas as soon as possible. Ideally, DTSC would like to see that plan by the end of next week. Mr. Bloom was skeptical as to whether that would be possible. Mr. Rist then commented on the 180 days of field investigation and asked how the Navy arrived at that number. Lastly, DTSC feels that because people are occupying the area, 2004 is too late to conduct remediation and that something must be done much sooner.

- Mr. Rist noted a conflict with the FOST dates for sites 5 and 17; because these sites are in the boundaries of Site 24, they should have the same FOST date. Mr. Bloom agreed and stated that No Further Action (NFA) sites 5 and 17 would stop existing as separate sites even though the actual property is included in Site 24. It was agreed that the schedule should be corrected so the FOST dates for sites 5, 17, and 24 are the same.
- Mr. Rist stated that he felt the schedule for Site 21 probably lasted longer than the City of San Francisco would like. Ms. Walters stated that the City of San Francisco has identified several sites as priority sites. Mr. Rist also commented on the 250 days of fieldwork, noting how relatively small the site was. He wondered why so much time was necessary.
- Mr. Rist stated that he was unsure whether site 24 would go directly into an FS. He asked whether investigation was included in the FS or whether it is an additional investigation (AI) site. He also commented on the 730 days (2 years) of remediation and asked for clarification as to what that fieldwork included.
- With regard to the schedule for Site 28, Mr. Rist referred to an action item that clarified what the reuse of the site would be, which would affect how much more fieldwork is necessary. He guessed that it would most likely not be used as a residential area and Mr. Foote, representing the City of San Francisco, added that recreational users should be considered. Mr. Rist stated that a time allotment to characterize the site should be represented in the schedule.
- With regard to the schedule for Site 29, Mr. Rist asked whether consideration has been given to the construction of the Bay Bridge.

Gary Foote made the following comments on behalf of the City of San Francisco:

- Mr. Foote commented that the schedules have generally gotten considerably longer from the last revision and that the City has established the following redevelopment priorities:
  - The South Waterfront Area (sites 15, 21, 3, 9, 25, and 27). He stated that the City hopes to begin reuse of these properties by August 2001.
  - Site 12
  - Pipeline Sites. Mr. Foote noted that the pipeline goes through a lot of otherwise clean parcels and is, therefore, holding up transfer of those parcels. Ms. Wicke stated that on the BRAC side of things, TtEMI has gone back through all the pipeline data to see which Environmental Closure Plan (ECP) category 1 parcels are affected and found that the majority of them are not. Noting that TtEMI has not been able to go through that exercise with the BCT group yet, Ms. Wicke stated that the pipeline area is lumped together as a site, but not all parcels will be held up to transfer until 2003. Mr. Bloom stated that while he did agree that it is useful to have schedules for the BCT members, because the pipeline and CAP sites are not a part of CERCLA process, they should not be included in the FFSRA.
  - Sites 24, 4/19, and 5/17

- Sites 6, 7, and 10. These sites should be completed on the assumption that the reuse will be residential. Mr. Sullivan noted that the Economic Development Conveyance (EDC) application reuse was different.

- As Mr. Rist had previously noted, Mr. Foote stated that the FOST dates for sites 5 and 17 should be synchronized with Site 24. Mr. Foote also stated that he felt there was a data gap in Site 5 and had wondered whether that issue had been resolved. Specifically, the polycyclic aromatic hydrocarbon (PAH) analysis detection limits were too high in 1999. Ms. Wicke stated that this issue has been resolved and documented under the pipeline program. It was agreed that TtEMI will arrange to get this data to Mr. Foote.

- Mr. Foote then stated that it is the City of San Francisco's stance that leaving contaminated soils is unacceptable. Ms. Walters added that this is a global issue and that the City did not want the responsibility. Mr. Rist added that the RWQCB has these same feeling around buildings 1315 and 1313. Ms. Wicke asked whether the City of San Francisco is concerned with an action level of detection or just any level of detection. Mr. Foote stated that the City would consider soil contamination on a case-by-case basis but that generally the City does not want to have to deal with soil management issues. Ms. Wicke stated that this concern is an issue of whether to clean up based on environmental conditions or to reuse. Ms. Walters brought the recent occurrence at Mission Bay and reiterated that the City does not want to have to handle another risk management plan. Ms. Walters stated that the City does not want that burden and that it is the Navy's responsibility to address the affected soil. Mr. Sullivan stated this is a management issue, and Ms. Walters again stressed that the City does not want to deal with it. Mr. Baur expressed his concern that this revelation could force the group to look at all of the sites in a whole new perspective. Ms. Walters agreed that it is a global issue. Mr. Baur mentioned that last year, the City agreed with leaving soil with detectable total petroleum hydrocarbons (TPH) below 4 feet at building 1311. Mr. Foote stated that with Site 12, they were not focusing on this at the time; it has become a base-wide issue.

- Although investigations have been completed around buildings throughout the base, the City would like to extend sampling to beneath buildings. Mr. Foote stated that the City is planning demolitions rather soon and that they do not want to discover contamination beneath the buildings. Ms. Walters discussed the context of what is triggering this concern, stating that the City would have a master developer on board by June or July 2001, at which point a notable amount of demolition will occur. Mr. Sullivan asked whether the City was concerned with buildings on existing RI sites or whether they felt whole new RI sites existed beneath other buildings. Mr. Foote stated that the City is primarily concerned that there is not adequate characterization of the soils beneath the buildings in existing IR sites. As an example, he cited the pesticide storage building at Site 7; the building covers the majority of the site. Mr. Baur expressed that this subject is another large base-wide issue. Mr. Bloom inquired as to how this subject has been addressed in the past; Mr. Tactay stated that the building history and structure are evaluated. If there is concern for leakage, sampling will be done. He stated that in situations where floor drains exist, the pathway is tracked and samples are collected. Mr. Rist mentioned that investigations at Hunter's Point often include boring through the floors of buildings. Mr. Sullivan stated that this issue will have to be considered on a site-by-site basis because there are some instances where this investigation has taken

place. He concluded by saying that past information on how this issue has been evaluated for each building should be compiled to address the City's concern.

- With regard to Site 7, Mr. Foote stated that the City of San Francisco intends to use this property for residential use. Upon reviewing the data, the City is concerned that there may be other metals and pesticides that were not analyzed for. They also expressed concerns that no groundwater samples have been collected. In terms of scheduling, this is an issue because the site is deemed no further action, and the City feels that data gaps remain.
- Mr. Foote stated that the City has concerns of a potential data gap with regards to the high ethyl-benzene detections in the catch basins in Site 10. The City is particularly concerned about whether soil and groundwater samples have been collected near those basins. In terms of scheduling, this is a concern because the schedule does not include additional investigation.
- Mr. Foote stated that he had already expressed the City's concerns for Site 8 while DTSC presented their concerns (See David Rist's comments on behalf of DTSC).
- With regard to Site 9, Mr. Foote noted that there was time in the schedule for additional investigation, though the City was concerned that no samples have been analyzed for polychlorinated biphenyls (PCB) and VOCs. Mr. Rist stated that he believed additional sampling was performed for those chemicals.
- With regard to Site 20, the City has requested additional investigation for VOCs. Mr. Wickham stated that this is currently being done under the CAP program, and Ms. Wicke confirmed his statement.
- With regard to Site 21, Mr. Foote stated that the City has questions regarding resolution of the dip tank issue and is concerned that the schedule does not include additional investigation to locate the tank and conduct further investigation. Mr. Rist stated that the tank location was already known. Ms. Wicke stated that Chris Maxwell of the RWQCB brought this issue up in March 2000. Since then, it has been investigated, and the concern has been noted on the site summary sheets. The group concurred that the loop can be closed on this issue by checking back for the rationale as to why the dip tank issue was put aside.
- With regard to Site 24, the City is concerned whether consideration has been given to potential pathways for areas outside of the utility corridors. Mr. Sullivan responded by saying that it has been the Navy's position on TI that utility corridors do not include a more permeable soil through the surrounding fill.
- With regards to sites 28 and 29, Mr. Foote stated that the area should be considered for recreational use. The group noted that the Site 29 summary sheet "soil characterization" should be changed from PCBs to lead.

At the conclusion of Mr. Foote's comments, the group broke for lunch. After lunch, Mr. Rist was unexpectedly called away. The group decided that with the absence of both Mr. Rist and Ms. Raker, the historical session of the meeting would be rescheduled to Wednesday October 18, 2000, at 9:30 a.m. at the TtEMI office.

Mr. Bloom noted that individual major document completion dates (RI, FS, etc.) were generated by considering what course of action may occur for each site. Each site was considered on an individual basis, and the timeframe was determined from its potential course of action. Mr. Foote questioned how this would be handled logistically, specifically noting that some sites were set to conduct the FS before other sites had completed an RI. Ms. Walters then brought up DTSC's issue of having a base-wide ROD, stating that she has never heard the issue discussed for TI. Ms. Wicke explained why each of the schedules for onshore sites were different; she noted that the current status of each site varies so greatly that progress may only be made if work is performed separately on each site. Otherwise, several sites would be stuck waiting for other sites to catch up, as they are currently tied together by one joint RI document. Mr. Foote asked whether the sites were going to become independent operable units; Ms. Wicke confirmed that was the proposal. Noting that he has not formally discussed this issue, Mr. Bloom agreed that the sites are on that path.

Mr. Foote brought up Mr. Rist's issue of having so many RIs and asked the Navy how they planned to manage that. Ms. Wicke noted that not all sites had an RI included in the schedule; for example, she listed the no action sites as only having no-further-action documentation. She then asked whether, in the case of Site 21, an RI would be necessary when the group knew that it would progress into an FS. Mr. Bloom asked whether the completion of a final RI would be necessary to comply with CERCLA laws. Ms. Wicke replied that the onshore RI done in 1997 is technically considered "final" because comments have been taken and incorporated. She continued by saying that it would be more effective to move on to the next step, rather than taking the time to go through the process of writing another complete RI. Ms. Wicke also noted that this is currently only being considered for one site. Mr. Foote stated that although he was comfortable with proceeding that way, he wondered how DTSC would respond.

Mr. Bloom noted that each AI site had a start date of January 1, 2001, but noted that it is the Navy's preference to start AI as soon as fiscal year 2001 funding is available.

Mr. Foote asked when the FOST documentation could be complete, noting that the City hoped to begin redevelopment by August 2001. Ms. Wicke stated that FOSTs could not be written until everything else was complete. Mr. Bloom asked at what point the FOST could be written in the case of monitored natural attenuation (MNA); Mr. Tactay replied 1 year (four monitoring quarters) after the MNA data has been collected. Ms. Walters stated that she would like clarification from DTSC and RWQCB as to when property can be transferred when MNA is used as a remedy. Ms. Wicke stated that for Site 21, MNA data collection has been ongoing, which may have some effect on the 1-year data collection period. Mr. Baur noted that in the schedules, the remediation period includes the 1-year monitoring phase, citing an example in Site 24 where remediation fieldwork lasts 730 days. The group agreed that in cases where Mr. Rist commented on the length of remediation, he might have overlooked the 365-day monitoring period. The group then discussed whether the year of data can be counted retroactively or whether it begins once MNA has been declared an appropriate course of action after the FS. Ms. Walters again stressed that clarification is needed from DTSC and RWQCB.

Ms. Wicke asked Mr. Foote to clarify the City's position on Site 28. He stated that the area should be considered for recreational use rather than residential. Mr. Bloom then addressed the City's issue of investigating beneath buildings and stated that he would like to see this work conducted under the AI

periods in the schedule. Ms. Walters gave an example of Building 62 on Site 7. Ms. Wicke noted that this was a particularly big issue for Site 7 because it is currently undergoing the process to be declared a no further action site. Mr. Bloom agreed and stated that he would like to resolve that particular issue as soon as possible.

Mr. Baur reiterated his concerns about the City's two global issues, particularly that of soil management. He stated that the City's position could have a profound effect on the schedules and status of all the TI sites. Mr. Baur stated that until this issue is clarified, there might be no purpose in moving forward; Ms. Wicke agreed. The group decided that this question should be addressed immediately.

Mr. Bloom then passed out two versions of the text cover page of the FFSRA schedule E&F (See Attachment 3). One version includes the goals from the previous version, but the dates have been changed to reflect the revised schedule. The second version listed no goals to evoke a group discussion to establish new, updated goals. Mr. Bloom also distributed the document tracking sheet (See Attachment 3) for the month of October 2000. He reminded the group that this sheet had been distributed at the last meeting and will be updated for each BCT meeting.

IV. RAB Meeting

Mr. Sullivan noted that the September Restoration Advisory Board (RAB) meeting was cancelled. He stated that the agenda for the October meeting has yet to be determined and asked for input as to what topics should be discussed. Mr. Bloom advised that discussions of the new Navy FY be held off until the November RAB meeting. He then stated that the document tracking sheet (an edited version leaving out the CAP sites) could be distributed at the October meeting. Mr. Sullivan suggested that the Navy deliver a general status report to update the RAB on upcoming Navy happenings. Ms. Walters also stated that Building 1211 should be discussed and that a brief slide presentation on the events that have occurred should be made. Members of the group agreed that several Building 1211 residents will likely attend. Mr. Sullivan stated that a brief update on other current happenings (soil gas sampling, etc.) should also be mentioned. Mr. Sullivan also brought up the issue of the RAB members not receiving information about the CAP sites and wondered whether it would be advantageous to distribute that information to the RAB.

V. Upcoming Meetings and Action Items

SUMMARY OF UPCOMING MEETINGS

Purpose	Date	Time	Location
RAB Meeting	October 18, 2000	7:00 p.m.	Building 271, TI
Schedule / Historical AOC Meeting	November 1, 2000	9:30 a.m.	TtEMI, San Francisco
BCT Meeting	November 14, 2000	9:30 a.m.	TtEMI, San Francisco

FINAL

ACTION ITEMS

ACTION ITEMS	RESPONSIBILITY	STATUS	DEADLINE
Administrative Items			
None			
Base-Wide Items			
Update historical AOC[1] table	TtEMI	In Progress	October 18, 2000
Letter for lead-based paint at YBI[2]	Navy	In Progress	TBD[3]
Address base-wide schedule questions/comments	Navy	Pending	ASAP[4]
Pipeline Items			
Navy review with City transfer of pipeline parcels	Navy	Pending	TBD
CAP Items			
None			
Groundwater Items			
Response letter to RWQCB – Water Quality Issues at Site 12	Navy/TTEMI	In Progress	TBD
Offshore Items			
Work plan for offshore area	TtEMI	In Progress	October 10, 2000
Schedule a working meeting before issuing offshore field sampling plan	Navy	Pending	November 1, 2000
FOSL for lead-based paint at YBI	Navy	Pending	TBD
RI Items			
Draft a letter for no further action sites	Navy	Pending	TBD
Contact CDFG[5] regarding Site 8	Navy	Pending	November 1, 2000
Provide feedback on pesticide sampling at Site 10	RWQCB	Pending	TBD
Site 12 Items			
Letters to DTSC regarding soils left in place at former storage yard	Navy	In Progress	October 11, 2000
Determine a date for a meeting on debris disposal areas	Navy and DTSC	Pending Navy internal direction	TBD
Letter with rationale for allowing renovation at former storage yard	Navy	In Progress	TBD

[1] AOC denotes Area of Concern
[2] YBI denotes Yerba Buena Island
[3] TBD denotes To Be Determined
[4] ASAP denotes As Soon As Possible
[5] CDFG denotes California Department of Fish and Game

FINAL

ACTION ITEMS	RESPONSIBILITY	STATUS	DEADLINE
Email addressing Ms. Raker's concerns with groundwater issues at FSY and, if necessary, follow up with conference call.	TtEMI	In Progress	ASAP
Technical justification for holding back FOSL for FSY	DTSC	Pending	TBD
Complete narrative to compliment phase II soil gas sampling data tables and figures	TtEMI	In Progress	October 20, 2000
Approve notification process for phase II soil gas sampling	SFRA	In Progress	ASAP
Discuss 1-week turn around for air data	TtEMI and Navy	In Progress	ASAP

ATTACHMENT 1

1. Sign In Sheet
2. Agenda

Date Draft: November 21, 2000
Date Final: May 1, 2001

Meeting: BCT

Date: Tuesday, October 3, 2000

SIGN-IN SHEET

	Name	Organization	Phone
1.	Angie Wicks	THEMI	[redacted]
2.	TONY TACTAY	SWDW	
3.	MICHAEL BLOOM	SWDIV	
4.	James Sullivan	SWDIV	
5.	David Rist	DTSC	
6.	Erika Wise	THEMI	
7.	Mary Yeshnoski	THEMI	
8.	Martha Walter	SPRA	
9.	Gary Foote	Geomatrix	
10.	Peggy Peischl	Geomatrix	
11.	Jerry Wickham	THEMI	
12.	Virginia Demetrios	THEMI	
13.	John Baur	IT	
14.			
15.			
16.			
17.			
18.			
19.			
20.			

NAVAL STATION TREASURE ISLAND
REMEDIAL INVESTIGATION/FEASIBILITY STUDY (RI/FS)
REMEDIAL PROJECT MANAGERS/BRAC CLEANUP TEAM MEETING

AGENDA

Date: Tuesday, October 3, 2000
Time: 9:30 a.m. to 3:30 p.m.
Place: San Francisco Redevelopment Agency, 770 Golden Gate Avenue, San Francisco

9:30 – 9:55	Item:	**I. Draft Proposal for Second Phase of Site 12 Soil Gas Sampling**
	Opening:	Navy
	Process:	Discuss the Navy's draft proposal for the second phase of soil gas sampling at Debris Disposal Area A
	Goal:	To present the Navy's proposal, come to an agreement on the sampling strategy and discuss the schedule for sampling
9:55 – 10:15	Item:	**II. Update on the Former Storage Yard Area**
	Opening:	Navy
	Process:	Update the BCT/RPM's on the field status, indoor air sampling, and preparation of closeout reports.
	Goal:	Discuss any issues or comments
10:15 – 11:45	Item:	**III. TI Basewide Schedules (submitted for review August 31, 2000)**
	Opening:	Navy/BCT
	Process:	Discuss the Navy's basewide schedules
	Goal:	To discuss the Navy's schedules and the "next step" for finalizing the schedules
11:45 – 12:00	Item:	**IV. RAB Meeting Agenda**
	Opening:	Navy
	Process:	Discuss the items on the October 17, 2000 RAB meeting agenda
	Goal:	To agree on the RAB agenda
12:00 – 12:15	Item:	**V. Other Items**
	Opening:	RPMs/BCT
	Process:	Provide an open forum to bring up topics of discussion.
12:15 – 12:30	Item:	**VI. Summarize Action Items/Discuss Future Agenda Items**
	Opening:	RPMs/BCT
	Process:	Summarize action items and identify agenda items for next RPM/BCT meeting
	Goal:	To agree upon action items and agenda items
12:30 – 13:30		**Lunch**

13:30 – 15:30	Item:	**VII. Review of the Historical Study**
	Opening:	Navy
	Process:	Present findings and discuss any issues or comments
	Goal:	To agree upon the next step

Future RPM/BCT Meetings:

November 14, 2000 - location to be determined

ATTACHMENT 2

1. Table 1-Soil Gas Survey Detects
2. Table 2-Soil Gas Survey Results Greater Than Ambient Air
3. Table 3-Soil Vapor Screening Table
4. Table 4-Human Health Risk Screening Table
5. Figure of Proposed Soil Gas Sample Locations

TABLE 1
SITE 12 SOIL GAS SURVEY DETECTS

Location ID	Sample ID	Depth (ft bgs)	Analytical Group	Analyte	Result	Units
12-AA004	36912AA004	NA	NATGAS	CARBON DIOXIDE	0.047	%
12-AA004	36912AA004	NA	NATGAS	NITROGEN	77	%
12-AA004	36912AA004	NA	NATGAS	OXYGEN	23	%
12-AA004	36912AA004	NA	TO14	ACETONE	4.2	PPBV
12-AA004	36912AA004	NA	TO14	METHYLENE CHLORIDE	2.5	PPBV
12-AA005	36912AA005	NA	NATGAS	CARBON DIOXIDE	0.047	%
12-AA005	36912AA005	NA	NATGAS	NITROGEN	77	%
12-AA005	36912AA005	NA	NATGAS	OXYGEN	23	%
12-AA005	36912AA005	NA	TO14	1,4-DIOXANE	3.4	PPBV
12-AA005	36912AA005	NA	TO14	ACETONE	4.8	PPBV
12-AA005	36912AA005	NA	TO14	CHLOROMETHANE	1.6	PPBV
12-AA005	36912AA005	NA	TO14	METHYLENE CHLORIDE	2.5	PPBV
12-AA006	36912AA006	NA	NATGAS	CARBON DIOXIDE	0.047	%
12-AA006	36912AA006	NA	NATGAS	NITROGEN	76	%
12-AA006	36912AA006	NA	NATGAS	OXYGEN	24	%
12-AA006	36912AA006	NA	TO14	METHYLENE CHLORIDE	2.8	PPBV
12-AA007	36912AA007	NA	NATGAS	CARBON DIOXIDE	0.046	%
12-AA007	36912AA007	NA	NATGAS	NITROGEN	77	%
12-AA007	36912AA007	NA	NATGAS	OXYGEN	23	%
12-AA007	36912AA007	NA	TO14	ACETONE	8.4	PPBV
12-AA007	36912AA007	NA	TO14	METHYLENE CHLORIDE	2.7	PPBV
12-AA008	36912AA008	NA	NATGAS	CARBON DIOXIDE	0.047	%
12-AA008	36912AA008	NA	NATGAS	NITROGEN	77	%
12-AA008	36912AA008	NA	NATGAS	OXYGEN	23	%
12-AA008	36912AA008	NA	TO14	ETHANOL	7.8	PPBV
12-AA008	36912AA008	NA	TO14	METHYLENE CHLORIDE	2.8	PPBV
12-AA009	36912AA009	NA	NATGAS	CARBON DIOXIDE	0.048	%
12-AA009	36912AA009	NA	NATGAS	NITROGEN	76	%
12-AA009	36912AA009	NA	NATGAS	OXYGEN	24	%
12-AA009	36912AA009	NA	TO14	CHLOROMETHANE	1.2	PPBV
12-AA009	36912AA009	NA	TO14	METHYLENE CHLORIDE	2.9	PPBV
12-AA010	36912AA010	NA	NATGAS	CARBON DIOXIDE	0.048	%
12-AA010	36912AA010	NA	NATGAS	NITROGEN	77	%
12-AA010	36912AA010	NA	NATGAS	OXYGEN	23	%
12-AA010	36912AA010	NA	TO14	ACETONE	3.9	PPBV
12-AA010	36912AA010	NA	TO14	CHLOROMETHANE	1	PPBV
12-AA010	36912AA010	NA	TO14	METHYLENE CHLORIDE	2.8	PPBV
12-AA011	36912AA011	NA	NATGAS	CARBON DIOXIDE	0.047	%
12-AA011	36912AA011	NA	NATGAS	NITROGEN	77	%
12-AA011	36912AA011	NA	NATGAS	OXYGEN	23	%
12-AA011	36912AA011	NA	TO14	ACETONE	9.7	PPBV
12-AA011	36912AA011	NA	TO14	ETHANOL	5	PPBV
12-AA011	36912AA011	NA	TO14	METHYLENE CHLORIDE	2.8	PPBV
12-AA012	36912AA012	NA	NATGAS	CARBON DIOXIDE	0.048	%
12-AA012	36912AA012	NA	NATGAS	NITROGEN	77	%
12-AA012	36912AA012	NA	NATGAS	OXYGEN	23	%
12-AA012	36912AA012	NA	TO14	ACETONE	8.9	PPBV
12-AA012	36912AA012	NA	TO14	FREON 11	0.86	PPBV
12-AA013	36912AA013	NA	NATGAS	CARBON DIOXIDE	0.047	%
12-AA013	36912AA013	NA	NATGAS	NITROGEN	77	%
12-AA013	36912AA013	NA	NATGAS	OXYGEN	23	%
12-AA013	36912AA013	NA	TO14	ACETONE	4.9	PPBV
12-AA013	36912AA013	NA	TO14	FREON 11	3.2	PPBV
12-AA014	36912AA014	NA	NATGAS	CARBON DIOXIDE	0.054	%
12-AA014	36912AA015	NA	NATGAS	CARBON DIOXIDE	0.052	%
12-AA014	36912AA014	NA	NATGAS	NITROGEN	74	%
12-AA014	36912AA015	NA	NATGAS	NITROGEN	75	%
12-AA014	36912AA014	NA	NATGAS	OXYGEN	26	%
12-AA014	36912AA015	NA	NATGAS	OXYGEN	25	%
12-AA014	36912AA014	NA	TO14	1,4-DIOXANE	7.6	PPBV
12-AA014	36912AA014	NA	TO14	ACETONE	6.6	PPBV
12-AA014	36912AA015	NA	TO14	ACETONE	4	PPBV

TABLE 1
SITE 12 SOIL GAS SURVEY DETECTS

Location ID	Sample ID	Depth (ft bgs)	Analytical Group	Analyte	Result	Units
12-SG015	36912SG008	3	NATGAS	CARBON DIOXIDE	4	%
12-SG015	86912SG015	3	NATGAS	CARBON DIOXIDE	4	%
12-SG015	36912SG008	3	NATGAS	NITROGEN	77	%
12-SG015	36912SG015	3	NATGAS	NITROGEN	76	%
12-SG015	36912SG008	3	NATGAS	OXYGEN	19	%
12-SG015	36912SG015	3	NATGAS	OXYGEN	20	%
12-SG015	36912SG008	3	TO14	ACETONE	14	PPBV
12-SG015	36912SG015	3	TO14	ACETONE	12	PPBV
12-SG015	36912SG008	3	TO14	BENZENE	0.94	PPBV
12-SG015	36912SG015	3	TO14	ETHANOL	6.4	PPBV
12-SG015	36912SG008	3	TO14	METHYLENE CHLORIDE	2.4	PPBV
12-SG015	36912SG015	3	TO14	METHYLENE CHLORIDE	2.4	PPBV
12-SG015	36912SG008	3	TO14	TOLUENE	0.79	PPBV
12-SG016	36912SG016	3	NATGAS	CARBON DIOXIDE	1.1	%
12-SG016	36912SG016	3	NATGAS	NITROGEN	77	%
12-SG016	36912SG016	3	NATGAS	OXYGEN	22	%
12-SG016	36912SG016	3	TO14	1,2,4-TRIMETHYLBENZENE	1.1	PPBV
12-SG016	36912SG016	3	TO14	ACETONE	11	PPBV
12-SG016	36912SG016	3	TO14	BENZENE	2.3	PPBV
12-SG016	36912SG016	3	TO14	CHLOROFORM	1.1	PPBV
12-SG016	36912SG016	3	TO14	CHLOROMETHANE	1.3	PPBV
12-SG016	36912SG016	3	TO14	FREON 12	0.97	PPBV
12-SG016	36912SG016	3	TO14	M,P-XYLENES	1.2	PPBV
12-SG016	36912SG016	3	TO14	METHYLENE CHLORIDE	1.5	PPBV
12-SG016	36912SG016	3	TO14	TOLUENE	2	PPBV
12-SG017	36912SG017	3	NATGAS	CARBON DIOXIDE	4.8	%
12-SG017	36912SG017	3	NATGAS	NITROGEN	77	%
12-SG017	36912SG017	3	NATGAS	OXYGEN	18	%
12-SG017	36912SG017	3	TO14	1,2,4-TRIMETHYLBENZENE	1.4	PPBV
12-SG017	36912SG017	3	TO14	2-BUTANONE	4	PPBV
12-SG017	36912SG017	3	TO14	ACETONE	28	PPBV
12-SG017	36912SG017	3	TO14	BENZENE	1	PPBV
12-SG017	36912SG017	3	TO14	CHLOROETHANE	1	PPBV
12-SG017	36912SG017	3	TO14	CHLOROMETHANE	1.5	PPBV
12-SG017	36912SG017	3	TO14	ETHANOL	5.2	PPBV
12-SG017	36912SG017	3	TO14	HEXANE	3.1	PPBV
12-SG017	36912SG017	3	TO14	M,P-XYLENES	1.5	PPBV
12-SG017	36912SG017	3	TO14	TOLUENE	1.8	PPBV
12-SG018	36912SG018	3	NATGAS	CARBON DIOXIDE	1.9	%
12-SG018	36912SG018	3	NATGAS	NITROGEN	77	%
12-SG018	36912SG018	3	NATGAS	OXYGEN	21	%
12-SG018	36912SG018	3	TO14	1,2,4-TRIMETHYLBENZENE	1.1	PPBV
12-SG018	36912SG018	3	TO14	2-BUTANONE	6.6	PPBV
12-SG018	36912SG018	3	TO14	ACETONE	32	PPBV
12-SG018	36912SG018	3	TO14	BENZENE	2.8	PPBV
12-SG018	36912SG018	3	TO14	ETHANOL	5.4	PPBV
12-SG018	36912SG018	3	TO14	HEPTANE	5.3	PPBV
12-SG018	36912SG018	3	TO14	HEXANE	9	PPBV
12-SG018	36912SG018	3	TO14	M,P-XYLENES	1.8	PPBV
12-SG018	36912SG018	3	TO14	METHYLENE CHLORIDE	2.9	PPBV
12-SG018	36912SG018	3	TO14	TOLUENE	2.7	PPBV
12-SG019	36912SG019	3	NATGAS	CARBON DIOXIDE	0.28	%
12-SG019	36912SG019	3	NATGAS	NITROGEN	78	%
12-SG019	36912SG019	3	NATGAS	OXYGEN	22	%
12-SG019	36912SG019	3	TO14	2-PROPANOL	4.2	PPBV
12-SG019	36912SG019	3	TO14	ACETONE	3.6	PPBV
12-SG019	36912SG019	3	TO14	BENZENE	1.5	PPBV
12-SG019	36912SG019	3	TO14	ETHYLBENZENE	1.9	PPBV
12-SG019	36912SG019	3	TO14	M,P-XYLENES	2.1	PPBV
12-SG019	36912SG019	3	TO14	METHYLENE CHLORIDE	1.3	PPBV
12-SG019	36912SG019	3	TO14	O-XYLENE	0.89	PPBV
12-SG019	36912SG019	3	TO14	TETRAHYDROFURAN	7.4	PPBV
12-SG019	36912SG019	3	TO14	TOLUENE	11	PPBV
12-SG019	36912SG019	3	TO14	TRICHLOROETHENE	7.3	PPBV

TABLE 1
SITE 12 SOIL GAS SURVEY DETECTS

Location ID	Sample ID	Depth (ft bgs)	Analytical Group	Analyte	Result	Units
12-SG020	36912SG020	3	NATGAS	CARBON DIOXIDE	0.43	%
12-SG020	36912SG020	3	NATGAS	NITROGEN	78	%
12-SG020	36912SG020	3	NATGAS	OXYGEN	22	%
12-SG020	36912SG020	3	TO14	1,2,4-TRIMETHYLBENZENE	0.94	PPBV
12-SG020	36912SG020	3	TO14	2-BUTANONE	6.8	PPBV
12-SG020	36912SG020	3	TO14	ACETONE	32	PPBV
12-SG020	36912SG020	3	TO14	BENZENE	1.3	PPBV
12-SG020	36912SG020	3	TO14	ETHANOL	5.2	PPBV
12-SG020	36912SG020	3	TO14	M,P-XYLENES	1.2	PPBV
12-SG020	36912SG020	3	TO14	METHYLENE CHLORIDE	2.3	PPBV
12-SG020	36912SG020	3	TO14	TOLUENE	1.5	PPBV
12-SG021	36912SG021	3	NATGAS	CARBON DIOXIDE	0.3	%
12-SG021	36912SG021	3	NATGAS	NITROGEN	78	%
12-SG021	36912SG021	3	NATGAS	OXYGEN	22	%
12-SG021	36912SG021	3	TO14	2-BUTANONE	3.2	PPBV
12-SG021	36912SG021	3	TO14	ACETONE	14	PPBV
12-SG021	36912SG021	3	TO14	BENZENE	2.3	PPBV
12-SG021	36912SG021	3	TO14	ETHANOL	3.2	PPBV
12-SG021	36912SG021	3	TO14	M,P-XYLENES	0.88	PPBV
12-SG021	36912SG021	3	TO14	METHYLENE CHLORIDE	2.6	PPBV
12-SG021	36912SG021	3	TO14	TOLUENE	1.1	PPBV
12-SG022	36912SG022	3	NATGAS	CARBON DIOXIDE	1.7	%
12-SG022	36912SG022	3	NATGAS	NITROGEN	77	%
12-SG022	36912SG022	3	NATGAS	OXYGEN	20	%
12-SG022	36912SG022	3	TO14	2-BUTANONE	3.4	PPBV
12-SG022	36912SG022	3	TO14	ACETONE	16	PPBV
12-SG022	36912SG022	3	TO14	BENZENE	8.6	PPBV
12-SG022	36912SG022	3	TO14	CHLOROFORM	0.94	PPBV
12-SG022	36912SG022	3	TO14	ETHANOL	3.3	PPBV
12-SG022	36912SG022	3	TO14	ETHYLBENZENE	0.99	PPBV
12-SG022	36912SG022	3	TO14	HEXANE	3	PPBV
12-SG022	36912SG022	3	TO14	M,P-XYLENES	1.9	PPBV
12-SG022	36912SG022	3	TO14	METHYLENE CHLORIDE	2.3	PPBV
12-SG022	36912SG022	3	TO14	O-XYLENE	0.76	PPBV
12-SG022	36912SG022	3	TO14	TETRACHLOROETHENE	2.1	PPBV
12-SG022	36912SG022	3	TO14	TOLUENE	7.3	PPBV
12-SG023	36912SG023	3	NATGAS	CARBON DIOXIDE	1.8	%
12-SG023	36912SG023	3	NATGAS	NITROGEN	77	%
12-SG023	36912SG023	3	NATGAS	OXYGEN	20	%
12-SG023	36912SG023	3	TO14	2-BUTANONE	3	PPBV
12-SG023	36912SG023	3	TO14	ACETONE	19	PPBV
12-SG023	36912SG023	3	TO14	BENZENE	8	PPBV
12-SG023	36912SG023	3	TO14	CHLOROFORM	1.7	PPBV
12-SG023	36912SG023	3	TO14	M,P-XYLENES	1.4	PPBV
12-SG023	36912SG023	3	TO14	TETRACHLOROETHENE	2.3	PPBV
12-SG023	36912SG023	3	TO14	TOLUENE	4.6	PPBV
12-SG024	36912SG024	3	NATGAS	CARBON DIOXIDE	6.6	%
12-SG024	36912SG024	3	NATGAS	ETHANE	1	%
12-SG024	36912SG024	3	NATGAS	HYDROGEN SULFIDE	20	PPBV
12-SG024	36912SG024	3	NATGAS	ISOBUTANE	0.002	%
12-SG024	36912SG024	3	NATGAS	METHANE	38	%
12-SG024	36912SG024	3	NATGAS	NITROGEN	54	%
12-SG024	36912SG024	3	NATGAS	OXYGEN	0.99	%
12-SG024	36912SG024	3	NATGAS	PROPANE	0.002	%
12-SG024	36912SG024	3	TO14	ACETONE	58	PPBV
12-SG024	36912SG024	3	TO14	BENZENE	61	PPBV
12-SG024	36912SG024	3	TO14	CYCLOHEXANE	190	PPBV
12-SG024	36912SG024	3	TO14	HEXANE	120	PPBV
12-SG024	36912SG024	3	TO14	M,P-XYLENES	4.6	PPBV
12-SG024	36912SG024	3	TO14	TOLUENE	6.9	PPBV

TABLE 1
SITE 12 SOIL GAS SURVEY DETECTS

Location ID	Sample ID	Depth (ft bgs)	Analytical Group	Analyte	Result	Units
12-SG025	36912SG009	3	NATGAS	CARBON DIOXIDE	1.1	%
12-SG025	36912SG025	3	NATGAS	CARBON DIOXIDE	1	%
12-SG025	36912SG009	3	NATGAS	NITROGEN	86	%
12-SG025	36912SG025	3	NATGAS	NITROGEN	86	%
12-SG025	36912SG009	3	NATGAS	OXYGEN	13	%
12-SG025	36912SG025	3	NATGAS	OXYGEN	13	%
12-SG025	36912SG025	3	TO14	2-BUTANONE	3	PPBV
12-SG025	36912SG009	3	TO14	ACETONE	7.2	PPBV
12-SG025	36912SG025	3	TO14	ACETONE	14	PPBV
12-SG025	36912SG009	3	TO14	CHLOROFORM	26	PPBV
12-SG025	36912SG025	3	TO14	CHLOROFORM	24	PPBV
12-SG025	36912SG009	3	TO14	ETHANOL	5.5	PPBV
12-SG025	36912SG009	3	TO14	M,P-XYLENES	1.2	PPBV
12-SG025	36912SG025	3	TO14	M,P-XYLENES	1.3	PPBV
12-SG025	36912SG009	3	TO14	METHYLENE CHLORIDE	3.1	PPBV
12-SG025	36912SG025	3	TO14	METHYLENE CHLORIDE	0.93	PPBV
12-SG025	36912SG009	3	TO14	TOLUENE	1.1	PPBV
12-SG025	36912SG025	3	TO14	TOLUENE	1.2	PPBV
12-SG026	36912SG026	3	NATGAS	CARBON DIOXIDE	3.6	%
12-SG026	36912SG026	3	NATGAS	NITROGEN	79	%
12-SG026	36912SG026	3	NATGAS	OXYGEN	17	%
12-SG026	36912SG026	3	TO14	1,2,4-TRIMETHYLBENZENE	1.7	PPBV
12-SG026	36912SG026	3	TO14	2-BUTANONE	16	PPBV
12-SG026	36912SG026	3	TO14	ACETONE	67	PPBV
12-SG026	36912SG026	3	TO14	BENZENE	2.4	PPBV
12-SG026	36912SG026	3	TO14	BROMOMETHANE	1.6	PPBV
12-SG026	36912SG026	3	TO14	CHLOROFORM	1.4	PPBV
12-SG026	36912SG026	3	TO14	ETHANOL	12	PPBV
12-SG026	36912SG026	3	TO14	ETHYLBENZENE	1.2	PPBV
12-SG026	36912SG026	3	TO14	M,P-XYLENES	3.1	PPBV
12-SG026	36912SG026	3	TO14	METHYLENE CHLORIDE	0.86	PPBV
12-SG026	36912SG026	3	TO14	O-XYLENE	1.1	PPBV
12-SG026	36912SG026	3	TO14	TOLUENE	5.9	PPBV
12-SG027	36912SG027	3	NATGAS	CARBON DIOXIDE	2.4	%
12-SG027	36912SG027	3	NATGAS	NITROGEN	77	%
12-SG027	36912SG027	3	NATGAS	OXYGEN	21	%
12-SG027	36912SG027	3	TO14	1,2,4-TRIMETHYLBENZENE	1	PPBV
12-SG027	36912SG027	3	TO14	2-BUTANONE	3.2	PPBV
12-SG027	36912SG027	3	TO14	ACETONE	17	PPBV
12-SG027	36912SG027	3	TO14	BENZENE	2.3	PPBV
12-SG027	36912SG027	3	TO14	CHLOROFORM	1.5	PPBV
12-SG027	36912SG027	3	TO14	M,P-XYLENES	1.6	PPBV
12-SG027	36912SG027	3	TO14	METHYLENE CHLORIDE	2.6	PPBV
12-SG027	36912SG027	3	TO14	TETRACHLOROETHENE	4.6	PPBV
12-SG027	36912SG027	3	TO14	TOLUENE	2.7	PPBV
12-SG027	36912SG027	3	TO14	TRICHLOROETHENE	11	PPBV
12-SG028	36912SG028	3	NATGAS	CARBON DIOXIDE	0.56	%
12-SG028	36912SG028	3	NATGAS	METHANE	0.004	%
12-SG028	36912SG028	3	NATGAS	NITROGEN	77	%
12-SG028	36912SG028	3	NATGAS	OXYGEN	22	%
12-SG028	36912SG028	3	TO14	1,2,4-TRIMETHYLBENZENE	1	PPBV
12-SG028	36912SG028	3	TO14	2-BUTANONE	3.8	PPBV
12-SG028	36912SG028	3	TO14	ACETONE	17	PPBV
12-SG028	36912SG028	3	TO14	BENZENE	4.8	PPBV
12-SG028	36912SG028	3	TO14	CHLOROFORM	3.2	PPBV
12-SG028	36912SG028	3	TO14	ETHANOL	4.4	PPBV
12-SG028	36912SG028	3	TO14	HEPTANE	4.8	PPBV
12-SG028	36912SG028	3	TO14	HEXANE	11	PPBV
12-SG028	36912SG028	3	TO14	M,P-XYLENES	2.2	PPBV
12-SG028	36912SG028	3	TO14	METHYLENE CHLORIDE	2.5	PPBV
12-SG028	36912SG028	3	TO14	O-XYLENE	0.8	PPBV
12-SG028	36912SG028	3	TO14	TETRACHLOROETHENE	2.4	PPBV
12-SG028	36912SG028	3	TO14	TOLUENE	3.5	PPBV

Location ID	Sample ID	Depth (ft bgs)	Analytical Group	Analyte	Result	Units
12-SG029	36912SG029	3	NATGAS	CARBON DIOXIDE	6.1	%
12-SG029	36912SG029	3	NATGAS	ETHANE	0.24	%
12-SG029	36912SG029	3	NATGAS	ISOBUTANE	0.002	%
12-SG029	36912SG029	3	NATGAS	METHANE	64	%
12-SG029	36912SG029	3	NATGAS	NITROGEN	27	%
12-SG029	36912SG029	3	NATGAS	OXYGEN	2.8	%
12-SG029	36912SG029	3	NATGAS	PROPANE	0.007	%
12-SG029	36912SG029	3	TO14	1,1-DICHLOROETHANE	12	PPBV
12-SG029	36912SG029	3	TO14	1,2,4-TRIMETHYLBENZENE	9	PPBV
12-SG029	36912SG029	3	TO14	ACETONE	98	PPBV
12-SG029	36912SG029	3	TO14	BENZENE	94	PPBV
12-SG029	36912SG029	3	TO14	CIS-1,2-DICHLOROETHENE	17	PPBV
12-SG029	36912SG029	3	TO14	HEXANE	150	PPBV
12-SG029	36912SG029	3	TO14	TOLUENE	9.8	PPBV
12-SG029	36912SG029	3	TO14	VINYL CHLORIDE	40	PPBV
12-SG030	36912SG030	3	NATGAS	BUTANE	0.027	%
12-SG030	36912SG030	3	NATGAS	CARBON DIOXIDE	7.6	%
12-SG030	36912SG030	3	NATGAS	ETHANE	1.2	%
12-SG030	36912SG030	3	NATGAS	ISOBUTANE	0.025	%
12-SG030	36912SG030	3	NATGAS	ISOPENTANE	0.008	%
12-SG030	36912SG030	3	NATGAS	METHANE	42	%
12-SG030	36912SG030	3	NATGAS	NITROGEN	48	%
12-SG030	36912SG030	3	NATGAS	OXYGEN	0.83	%
12-SG030	36912SG030	3	NATGAS	PENTANE	0.003	%
12-SG030	36912SG030	3	NATGAS	PROPANE	0.16	%
12-SG030	36912SG030	3	TO14	1,1,2,2-TETRACHLOROETHANE	24	PPBV
12-SG030	36912SG030	3	TO14	1,1-DICHLOROETHANE	87	PPBV
12-SG030	36912SG030	3	TO14	1,1-DICHLOROETHENE	26	PPBV
12-SG030	36912SG030	3	TO14	BENZENE	68	PPBV
12-SG030	36912SG030	3	TO14	CIS-1,2-DICHLOROETHENE	170	PPBV
12-SG030	36912SG030	3	TO14	CYCLOHEXANE	370	PPBV
12-SG030	36912SG030	3	TO14	HEPTANE	72	PPBV
12-SG030	36912SG030	3	TO14	HEXANE	1000	PPBV
12-SG030	36912SG030	3	TO14	TETRACHLOROETHENE	16	PPBV
12-SG030	36912SG030	3	TO14	TRICHLOROETHENE	56	PPBV
12-SG030	36912SG030	3	TO14	VINYL CHLORIDE	93	PPBV
12-SG031	36912SG031	3	NATGAS	CARBON DIOXIDE	0.43	%
12-SG031	36912SG031	3	NATGAS	METHANE	0.42	%
12-SG031	36912SG031	3	NATGAS	NITROGEN	77	%
12-SG031	36912SG031	3	NATGAS	OXYGEN	22	%
12-SG031	36912SG031	3	TO14	1,2,4-TRIMETHYLBENZENE	4.1	PPBV
12-SG031	36912SG031	3	TO14	1,3,5-TRIMETHYLBENZENE	1.4	PPBV
12-SG031	36912SG031	3	TO14	4-ETHYLTOLUENE	5	PPBV
12-SG031	36912SG031	3	TO14	ACETONE	17	PPBV
12-SG031	36912SG031	3	TO14	BENZENE	19	PPBV
12-SG031	36912SG031	3	TO14	CHLOROMETHANE	0.92	PPBV
12-SG031	36912SG031	3	TO14	CIS-1,2-DICHLOROETHENE	2	PPBV
12-SG031	36912SG031	3	TO14	ETHANOL	4.4	PPBV
12-SG031	36912SG031	3	TO14	ETHYLBENZENE	5.4	PPBV
12-SG031	36912SG031	3	TO14	HEXANE	5.5	PPBV
12-SG031	36912SG031	3	TO14	M,P-XYLENES	13	PPBV
12-SG031	36912SG031	3	TO14	O-XYLENE	4.5	PPBV
12-SG031	36912SG031	3	TO14	TOLUENE	27	PPBV
12-SG031	36912SG031	3	TO14	TRICHLOROETHENE	2.4	PPBV
12-SG031	36912SG031	3	TO14	VINYL CHLORIDE	3.3	PPBV
12-SG032	36912SG032	3	NATGAS	CARBON DIOXIDE	7.2	%
12-SG032	36912SG032	3	NATGAS	METHANE	0.009	%
12-SG032	36912SG032	3	NATGAS	NITROGEN	79	%
12-SG032	36912SG032	3	NATGAS	OXYGEN	14	%
12-SG032	36912SG032	3	TO14	ACETONE	58	PPBV
12-SG032	36912SG032	3	TO14	TETRACHLOROETHENE	2.8	PPBV
12-SG032	36912SG032	3	TO14	TOLUENE	0.78	PPBV

TABLE 1
SITE 12 SOIL GAS SURVEY DETECTS

Location ID	Sample ID	Depth (ft bgs)	Analytical Group	Analyte	Result	Units
12-SG033	36912SG033	3	NATGAS	CARBON DIOXIDE	0.66	%
12-SG033	86912SG033	3	NATGAS	NITROGEN	77	%
12-SG033	36912SG033	3	NATGAS	OXYGEN	22	%
12-SG033	36912SG033	3	TO14	1,1,1-TRICHLOROETHANE	5.8	PPBV
12-SG033	36912SG033	3	TO14	1,1,2,2-TETRACHLOROETHANE	7.2	PPBV
12-SG033	36912SG033	3	TO14	ACETONE	9.8	PPBV
12-SG033	36912SG033	3	TO14	CARBON DISULFIDE	5.3	PPBV
12-SG033	36912SG033	3	TO14	CHLOROFORM	1.3	PPBV
12-SG033	36912SG033	3	TO14	CHLOROMETHANE	1.1	PPBV
12-SG033	36912SG033	3	TO14	CIS-1,2-DICHLOROETHENE	0.89	PPBV
12-SG033	36912SG033	3	TO14	M,P-XYLENES	0.94	PPBV
12-SG033	36912SG033	3	TO14	TETRACHLOROETHENE	12	PPBV
12-SG033	36912SG033	3	TO14	TOLUENE	2	PPBV
12-SG033	36912SG033	3	TO14	TRICHLOROETHENE	27	PPBV
12-SG034	36912SG034	2	NATGAS	CARBON DIOXIDE	0.18	%
12-SG034	36912SG034	2	NATGAS	NITROGEN	78	%
12-SG034	36912SG034	2	NATGAS	OXYGEN	22	%
12-SG034	36912SG034	2	TO14	1,2,4-TRIMETHYLBENZENE	3.6	PPBV
12-SG034	36912SG034	2	TO14	1,3,5-TRIMETHYLBENZENE	0.92	PPBV
12-SG034	36912SG034	2	TO14	1,4-DIOXANE	3.5	PPBV
12-SG034	36912SG034	2	TO14	ACETONE	22	PPBV
12-SG034	36912SG034	2	TO14	BENZENE	1.2	PPBV
12-SG034	36912SG034	2	TO14	CHLOROMETHANE	1	PPBV
12-SG034	36912SG034	2	TO14	CIS-1,2-DICHLOROETHENE	4.6	PPBV
12-SG034	36912SG034	2	TO14	ETHYLBENZENE	0.93	PPBV
12-SG034	36912SG034	2	TO14	M,P-XYLENES	4.7	PPBV
12-SG034	36912SG034	2	TO14	METHYLENE CHLORIDE	1.9	PPBV
12-SG034	36912SG034	2	TO14	O-XYLENE	1.6	PPBV
12-SG034	36912SG034	2	TO14	TOLUENE	3.8	PPBV
12-SG034	36912SG034	2	TO14	TRICHLOROETHENE	45	PPBV
12-SG035	36912SG010	3	NATGAS	CARBON DIOXIDE	2.9	%
12-SG035	36912SG035	3	NATGAS	CARBON DIOXIDE	3	%
12-SG035	36912SG010	3	NATGAS	CARBON DISULFIDE	9.1	PPBV
12-SG035	36912SG035	3	NATGAS	DIMETHYL DISULFIDE	12	PPBV
12-SG035	36912SG010	3	NATGAS	NITROGEN	77	%
12-SG035	36912SG035	3	NATGAS	NITROGEN	76	%
12-SG035	36912SG010	3	NATGAS	OXYGEN	20	%
12-SG035	36912SG035	3	NATGAS	OXYGEN	21	%
12-SG035	36912SG010	3	TO14	2-BUTANONE	3.4	PPBV
12-SG035	36912SG010	3	TO14	2-PROPANOL	21	PPBV
12-SG035	36912SG035	3	TO14	2-PROPANOL	7.9	PPBV
12-SG035	36912SG010	3	TO14	ACETONE	16	PPBV
12-SG035	36912SG035	3	TO14	ACETONE	13	PPBV
12-SG035	36912SG010	3	TO14	BENZENE	0.86	PPBV
12-SG035	36912SG010	3	TO14	CARBON DISULFIDE	3.9	PPBV
12-SG035	36912SG010	3	TO14	CHLOROFORM	2.1	PPBV
12-SG035	36912SG035	3	TO14	CHLOROFORM	1.8	PPBV
12-SG035	36912SG010	3	TO14	ETHANOL	20	PPBV
12-SG035	36912SG035	3	TO14	ETHANOL	35	PPBV
12-SG035	36912SG010	3	TO14	M,P-XYLENES	1.2	PPBV
12-SG035	36912SG035	3	TO14	M,P-XYLENES	1.3	PPBV
12-SG035	36912SG010	3	TO14	TETRACHLOROETHENE	3.2	PPBV
12-SG035	36912SG035	3	TO14	TETRACHLOROETHENE	1.9	PPBV
12-SG035	36912SG010	3	TO14	TOLUENE	1.3	PPBV
12-SG035	36912SG035	3	TO14	TOLUENE	1.3	PPBV
12-SG035	36912SG010	3	TO14	TRICHLOROETHENE	6.5	PPBV
12-SG035	36912SG035	3	TO14	TRICHLOROETHENE	4.8	PPBV

TABLE 1
SITE 12 SOIL GAS SURVEY DETECTS

Location ID	Sample ID	Depth (ft bgs)	Analytical Group	Analyte	Result	Units
12-SG036	36912SG036	3	NATGAS	CARBON DIOXIDE	0.59	%
12-SG036	36912SG036	3	NATGAS	NITROGEN	77	%
12-SG036	36912SG036	3	NATGAS	OXYGEN	22	%
12-SG036	36912SG036	3	TO14	1,1,2,2-TETRACHLOROETHANE	14	PPBV
12-SG036	36912SG036	3	TO14	1,2,4-TRIMETHYLBENZENE	1.1	PPBV
12-SG036	36912SG036	3	TO14	ACETONE	7.2	PPBV
12-SG036	36912SG036	3	TO14	CHLOROFORM	2.1	PPBV
12-SG036	36912SG036	3	TO14	CHLOROMETHANE	1	PPBV
12-SG036	36912SG036	3	TO14	CIS-1,2-DICHLOROETHENE	1.1	PPBV
12-SG036	36912SG036	3	TO14	M,P-XYLENES	1.7	PPBV
12-SG036	36912SG036	3	TO14	TETRACHLOROETHENE	2.7	PPBV
12-SG036	36912SG036	3	TO14	TOLUENE	1.7	PPBV
12-SG036	36912SG036	3	TO14	TRICHLOROETHENE	15	PPBV
12-SG037	36912SG037	3	NATGAS	CARBON DIOXIDE	0.92	%
12-SG037	36912SG037	3	NATGAS	NITROGEN	78	%
12-SG037	36912SG037	3	NATGAS	OXYGEN	21	%
12-SG037	36912SG037	3	TO14	1,2,4-TRIMETHYLBENZENE	1.3	PPBV
12-SG037	36912SG037	3	TO14	2-BUTANONE	3.1	PPBV
12-SG037	36912SG037	3	TO14	ACETONE	26	PPBV
12-SG037	36912SG037	3	TO14	CHLOROFORM	1.9	PPBV
12-SG037	36912SG037	3	TO14	ETHANOL	3.8	PPBV
12-SG037	36912SG037	3	TO14	FREON 113	2.9	PPBV
12-SG037	36912SG037	3	TO14	M,P-XYLENES	1.8	PPBV
12-SG037	36912SG037	3	TO14	METHYLENE CHLORIDE	3	PPBV
12-SG037	36912SG037	3	TO14	TETRACHLOROETHENE	2.1	PPBV
12-SG037	36912SG037	3	TO14	TOLUENE	1.3	PPBV
12-SG037	36912SG037	3	TO14	TRICHLOROETHENE	8.1	PPBV
12-SG038	36912SG038	3	NATGAS	CARBON DIOXIDE	1.2	%
12-SG038	36912SG038	3	NATGAS	NITROGEN	77	%
12-SG038	36912SG038	3	NATGAS	OXYGEN	22	%
12-SG038	36912SG038	3	TO14	1,1,2,2-TETRACHLOROETHANE	1100	PPBV
12-SG038	36912SG038	3	TO14	1,1,2-TRICHLOROETHANE	130	PPBV
12-SG038	36912SG038	3	TO14	CIS-1,2-DICHLOROETHENE	1000	PPBV
12-SG038	36912SG038	3	TO14	TETRACHLOROETHENE	340	PPBV
12-SG038	36912SG038	3	TO14	TRANS-1,2-DICHLOROETHENE	900	PPBV
12-SG038	36912SG038	3	TO14	TRICHLOROETHENE	8200	PPBV
12-SG039	36912SG039	3	NATGAS	CARBON DIOXIDE	1	%
12-SG039	36912SG039	3	NATGAS	NITROGEN	77	%
12-SG039	36912SG039	3	NATGAS	OXYGEN	22	%
12-SG039	36912SG039	3	TO14	1,1,2,2-TETRACHLOROETHANE	7.8	PPBV
12-SG039	36912SG039	3	TO14	1,2,4-TRIMETHYLBENZENE	0.9	PPBV
12-SG039	36912SG039	3	TO14	1,4-DIOXANE	11	PPBV
12-SG039	36912SG039	3	TO14	ACETONE	5.7	PPBV
12-SG039	36912SG039	3	TO14	CIS-1,2-DICHLOROETHENE	0.79	PPBV
12-SG039	36912SG039	3	TO14	ETHANOL	3.1	PPBV
12-SG039	36912SG039	3	TO14	M,P-XYLENES	0.98	PPBV
12-SG039	36912SG039	3	TO14	TETRACHLOROETHENE	1.1	PPBV
12-SG039	36912SG039	3	TO14	TOLUENE	1	PPBV
12-SG039	36912SG039	3	TO14	TRICHLOROETHENE	9.5	PPBV
12-SG040	36912SG040	3	NATGAS	CARBON DIOXIDE	1.2	%
12-SG040	36912SG040	3	NATGAS	NITROGEN	77	%
12-SG040	36912SG040	3	NATGAS	OXYGEN	22	%
12-SG040	36912SG040	3	TO14	1,2,4-TRIMETHYLBENZENE	2.1	PPBV
12-SG040	36912SG040	3	TO14	1,4-DIOXANE	3.6	PPBV
12-SG040	36912SG040	3	TO14	ACETONE	21	PPBV
12-SG040	36912SG040	3	TO14	CHLOROMETHANE	1.7	PPBV
12-SG040	36912SG040	3	TO14	M,P-XYLENES	2.8	PPBV
12-SG040	36912SG040	3	TO14	METHYLENE CHLORIDE	3.3	PPBV
12-SG040	36912SG040	3	TO14	O-XYLENE	1.1	PPBV
12-SG040	36912SG040	3	TO14	TOLUENE	1.9	PPBV

TABLE 1
SITE 12 SOIL GAS SURVEY DETECTS

Location ID	Sample ID	Depth (ft bgs)	Analytical Group	Analyte	Result	Units
12-SG041	36912SG041	3	NATGAS	CARBON DIOXIDE	1.9	%
12-SG041	36912SG041	3	NATGAS	HYDROGEN SULFIDE	6.2	PPBV
12-SG041	36912SG041	3	NATGAS	NITROGEN	77	%
12-SG041	36912SG041	3	NATGAS	OXYGEN	21	%
12-SG041	36912SG041	3	TO14	1,1,2,2-TETRACHLOROETHANE	22	PPBV
12-SG041	36912SG041	3	TO14	1,1,2-TRICHLOROETHANE	1	PPBV
12-SG041	36912SG041	3	TO14	ACETONE	5.9	PPBV
12-SG041	36912SG041	3	TO14	CHLOROFORM	0.95	PPBV
12-SG041	36912SG041	3	TO14	CIS-1,2-DICHLOROETHENE	3.8	PPBV
12-SG041	36912SG041	3	TO14	TETRACHLOROETHENE	5	PPBV
12-SG041	36912SG041	3	TO14	TRICHLOROETHENE	31	PPBV
12-SG042	36912SG042	3	NATGAS	CARBON DIOXIDE	1.6	%
12-SG042	36912SG042	3	NATGAS	NITROGEN	77	%
12-SG042	36912SG042	3	NATGAS	OXYGEN	21	%
12-SG042	36912SG042	3	TO14	1,1,2,2-TETRACHLOROETHANE	17	PPBV
12-SG042	36912SG042	3	TO14	1,2,4-TRIMETHYLBENZENE	0.76	PPBV
12-SG042	36912SG042	3	TO14	1,4-DIOXANE	4.6	PPBV
12-SG042	36912SG042	3	TO14	2-BUTANONE	3	PPBV
12-SG042	36912SG042	3	TO14	ACETONE	13	PPBV
12-SG042	36912SG042	3	TO14	CHLOROFORM	1.6	PPBV
12-SG042	36912SG042	3	TO14	CIS-1,2-DICHLOROETHENE	1.5	PPBV
12-SG042	36912SG042	3	TO14	M,P-XYLENES	1	PPBV
12-SG042	36912SG042	3	TO14	TETRACHLOROETHENE	3.9	PPBV
12-SG042	36912SG042	3	TO14	TOLUENE	1	PPBV
12-SG042	36912SG042	3	TO14	TRICHLOROETHENE	23	PPBV
12-SG043	36912SG043	3	NATGAS	CARBON DIOXIDE	2.1	%
12-SG043	36912SG043	3	NATGAS	NITROGEN	77	%
12-SG043	36912SG043	3	NATGAS	OXYGEN	21	%
12-SG043	36912SG043	3	TO14	1,2,4-TRIMETHYLBENZENE	3.5	PPBV
12-SG043	36912SG043	3	TO14	1,3,5-TRIMETHYLBENZENE	1.1	PPBV
12-SG043	36912SG043	3	TO14	ACETONE	8	PPBV
12-SG043	36912SG043	3	TO14	CHLOROFORM	4.2	PPBV
12-SG043	36912SG043	3	TO14	CHLOROMETHANE	0.9	PPBV
12-SG043	36912SG043	3	TO14	M,P-XYLENES	5.2	PPBV
12-SG043	36912SG043	3	TO14	O-XYLENE	1.8	PPBV
12-SG043	36912SG043	3	TO14	TOLUENE	3	PPBV
12-SG044	36912SG044	3	NATGAS	CARBON DIOXIDE	2.3	%
12-SG044	36912SG044	3	NATGAS	CARBON DISULFIDE	7.8	PPBV
12-SG044	36912SG044	3	NATGAS	CARBONYL SULFIDE	0.9	PPBV
12-SG044	36912SG044	3	NATGAS	NITROGEN	77	%
12-SG044	36912SG044	3	NATGAS	OXYGEN	21	%
12-SG044	36912SG044	3	TO14	1,1,2,2-TETRACHLOROETHANE	16	PPBV
12-SG044	36912SG044	3	TO14	ACETONE	11	PPBV
12-SG044	36912SG044	3	TO14	CARBON DISULFIDE	13	PPBV
12-SG044	36912SG044	3	TO14	CIS-1,2-DICHLOROETHENE	1.7	PPBV
12-SG044	36912SG044	3	TO14	ETHANOL	3.8	PPBV
12-SG044	36912SG044	3	TO14	TETRACHLOROETHENE	18	PPBV
12-SG044	36912SG044	3	TO14	TOLUENE	0.8	PPBV
12-SG044	36912SG044	3	TO14	TRICHLOROETHENE	18	PPBV

TABLE 1
SITE 12 SOIL GAS SURVEY DETECTS

Location ID	Sample ID	Depth (ft bgs)	Analytical Group	Analyte	Result	Units
12-SG045	36912SG011	3	NATGAS	CARBON DIOXIDE	0.86	%
12-SG045	36912SG045	3	NATGAS	CARBON DIOXIDE	0.83	%
12-SG045	36912SG011	3	NATGAS	NITROGEN	77	%
12-SG045	36912SG045	3	NATGAS	NITROGEN	77	%
12-SG045	36912SG011	3	NATGAS	OXYGEN	22	%
12-SG045	36912SG045	3	NATGAS	OXYGEN	22	%
12-SG045	36912SG011	3	TO14	1,2,4-TRIMETHYLBENZENE	1.2	PPBV
12-SG045	36912SG045	3	TO14	1,2,4-TRIMETHYLBENZENE	0.89	PPBV
12-SG045	36912SG011	3	TO14	ACETONE	12	PPBV
12-SG045	36912SG045	3	TO14	ACETONE	24	PPBV
12-SG045	36912SG011	3	TO14	CARBON DISULFIDE	4.8	PPBV
12-SG045	36912SG011	3	TO14	CHLOROFORM	32	PPBV
12-SG045	36912SG045	3	TO14	CHLOROFORM	26	PPBV
12-SG045	36912SG045	3	TO14	CHLOROMETHANE	0.92	PPBV
12-SG045	36912SG011	3	TO14	ETHANOL	4.3	PPBV
12-SG045	36912SG045	3	TO14	ETHANOL	4.8	PPBV
12-SG045	36912SG011	3	TO14	FREON 12	0.81	PPBV
12-SG045	36912SG011	3	TO14	M,P-XYLENES	2	PPBV
12-SG045	36912SG045	3	TO14	M,P-XYLENES	1.8	PPBV
12-SG045	36912SG011	3	TO14	O-XYLENE	0.82	PPBV
12-SG045	36912SG011	3	TO14	TOLUENE	2.2	PPBV
12-SG045	36912SG045	3	TO14	TOLUENE	2.4	PPBV
12-SG045	36912SG011	3	TO14	TRICHLOROETHENE	0.94	PPBV
12-SG045	36912SG045	3	TO14	TRICHLOROETHENE	1.2	PPBV
12-SG046	36912SG046	2.5	NATGAS	CARBON DIOXIDE	0.54	%
12-SG046	36912SG046	2.5	NATGAS	NITROGEN	77	%
12-SG046	36912SG046	2.5	NATGAS	OXYGEN	22	%
12-SG046	36912SG046	2.5	TO14	1,2,4-TRIMETHYLBENZENE	1.7	PPBV
12-SG046	36912SG046	2.5	TO14	ACETONE	13	PPBV
12-SG046	36912SG046	2.5	TO14	BENZENE	0.87	PPBV
12-SG046	36912SG046	2.5	TO14	CHLOROFORM	0.79	PPBV
12-SG046	36912SG046	2.5	TO14	M,P-XYLENES	2.5	PPBV
12-SG046	36912SG046	2.5	TO14	METHYLENE CHLORIDE	2.9	PPBV
12-SG046	36912SG046	2.5	TO14	O-XYLENE	0.92	PPBV
12-SG046	36912SG046	2.5	TO14	TOLUENE	2.6	PPBV
12-SG047	36912SG047	3	NATGAS	CARBON DIOXIDE	3.5	%
12-SG047	36912SG047	3	NATGAS	NITROGEN	76	%
12-SG047	36912SG047	3	NATGAS	OXYGEN	20	%
12-SG047	36912SG047	3	TO14	1,2,4-TRIMETHYLBENZENE	1.8	PPBV
12-SG047	36912SG047	3	TO14	1,4-DIOXANE	6.4	PPBV
12-SG047	36912SG047	3	TO14	ACETONE	14	PPBV
12-SG047	36912SG047	3	TO14	M,P-XYLENES	2.6	PPBV
12-SG047	36912SG047	3	TO14	METHYLENE CHLORIDE	3.4	PPBV
12-SG047	36912SG047	3	TO14	O-XYLENE	1	PPBV
12-SG047	36912SG047	3	TO14	TOLUENE	2	PPBV
12-SG048	36912SG048	3	NATGAS	CARBON DIOXIDE	1.5	%
12-SG048	36912SG048	3	NATGAS	NITROGEN	77	%
12-SG048	36912SG048	3	NATGAS	OXYGEN	22	%
12-SG048	36912SG048	3	TO14	1,2,4-TRIMETHYLBENZENE	2	PPBV
12-SG048	36912SG048	3	TO14	ACETONE	8.3	PPBV
12-SG048	36912SG048	3	TO14	CARBON DISULFIDE	3.4	PPBV
12-SG048	36912SG048	3	TO14	CHLOROFORM	50	PPBV
12-SG048	36912SG048	3	TO14	M,P-XYLENES	1.9	PPBV
12-SG048	36912SG048	3	TO14	METHYLENE CHLORIDE	3.2	PPBV
12-SG048	36912SG048	3	TO14	O-XYLENE	0.88	PPBV
12-SG048	36912SG048	3	TO14	TOLUENE	1.7	PPBV

TABLE 1
SITE 12 SOIL GAS SURVEY DETECTS

Location ID	Sample ID	Depth (ft bgs)	Analytical Group	Analyte	Result	Units
12-SG049	36912SG049	3	NATGAS	CARBON DIOXIDE	0.93	%
12-SG049	36912SG049	3	NATGAS	NITROGEN	78	%
12-SG049	36912SG049	3	NATGAS	OXYGEN	21	%
12-SG049	36912SG049	3	TO14	1,2,4-TRIMETHYLBENZENE	4.2	PPBV
12-SG049	36912SG049	3	TO14	1,3,5-TRIMETHYLBENZENE	2	PPBV
12-SG049	36912SG049	3	TO14	1,4-DIOXANE	3.8	PPBV
12-SG049	36912SG049	3	TO14	4-ETHYLTOLUENE	3.7	PPBV
12-SG049	36912SG049	3	TO14	ACETONE	9.3	PPBV
12-SG049	36912SG049	3	TO14	CHLOROMETHANE	7.3	PPBV
12-SG049	36912SG049	3	TO14	ETHANOL	4.2	PPBV
12-SG049	36912SG049	3	TO14	FREON 11	2.2	PPBV
12-SG049	36912SG049	3	TO14	FREON 12	0.84	PPBV
12-SG049	36912SG049	3	TO14	M,P-XYLENES	3.9	PPBV
12-SG049	36912SG049	3	TO14	O-XYLENE	1.8	PPBV
12-SG049	36912SG049	3	TO14	TOLUENE	1.8	PPBV
12-SG050	36912SG050	3	NATGAS	CARBON DIOXIDE	12	%
12-SG050	36912SG050	3	NATGAS	NITROGEN	83	%
12-SG050	36912SG050	3	NATGAS	OXYGEN	5.2	%
12-SG050	36912SG050	3	TO14	1,2,4-TRIMETHYLBENZENE	1.7	PPBV
12-SG050	36912SG050	3	TO14	ACETONE	13	PPBV
12-SG050	36912SG050	3	TO14	M,P-XYLENES	2.4	PPBV
12-SG050	36912SG050	3	TO14	METHYLENE CHLORIDE	1.8	PPBV
12-SG050	36912SG050	3	TO14	O-XYLENE	0.9	PPBV
12-SG050	36912SG050	3	TO14	TOLUENE	1.8	PPBV
12-SG050	36912SG050	3	TO14	TRICHLOROETHENE	0.86	PPBV
12-SG051	36912SG051	3	NATGAS	CARBON DIOXIDE	0.35	%
12-SG051	36912SG051	3	NATGAS	NITROGEN	78	%
12-SG051	36912SG051	3	NATGAS	OXYGEN	22	%
12-SG051	36912SG051	3	TO14	ACETONE	10	PPBV
12-SG051	36912SG051	3	TO14	TOLUENE	0.97	PPBV
12-SG052	36912SG052	3	NATGAS	CARBON DIOXIDE	1.7	%
12-SG052	36912SG052	3	NATGAS	NITROGEN	78	%
12-SG052	36912SG052	3	NATGAS	OXYGEN	20	%
12-SG052	36912SG052	3	TO14	1,2,4-TRIMETHYLBENZENE	2.1	PPBV
12-SG052	36912SG052	3	TO14	2-BUTANONE	3.9	PPBV
12-SG052	36912SG052	3	TO14	ACETONE	20	PPBV
12-SG052	36912SG052	3	TO14	BENZENE	0.78	PPBV
12-SG052	36912SG052	3	TO14	CHLOROFORM	3.8	PPBV
12-SG052	36912SG052	3	TO14	FREON 12	0.79	PPBV
12-SG052	36912SG052	3	TO14	M,P-XYLENES	3.1	PPBV
12-SG052	36912SG052	3	TO14	METHYLENE CHLORIDE	3.3	PPBV
12-SG052	36912SG052	3	TO14	O-XYLENE	1.2	PPBV
12-SG052	36912SG052	3	TO14	TETRACHLOROETHENE	1	PPBV
12-SG052	36912SG052	3	TO14	TOLUENE	2.5	PPBV
12-SG053	36912SG053	3	NATGAS	CARBON DIOXIDE	3.1	%
12-SG053	36912SG053	3	NATGAS	NITROGEN	77	%
12-SG053	36912SG053	3	NATGAS	OXYGEN	20	%
12-SG053	36912SG053	3	TO14	ACETONE	7.4	PPBV
12-SG053	36912SG053	3	TO14	CHLOROFORM	1.2	PPBV
12-SG053	36912SG053	3	TO14	M,P-XYLENES	1.2	PPBV
12-SG053	36912SG053	3	TO14	TOLUENE	2	PPBV
12-SG054	36912SG054	3	NATGAS	CARBON DIOXIDE	4.3	%
12-SG054	36912SG054	3	NATGAS	NITROGEN	76	%
12-SG054	36912SG054	3	NATGAS	OXYGEN	20	%
12-SG054	36912SG054	3	TO14	1,2,4-TRIMETHYLBENZENE	0.9	PPBV
12-SG054	36912SG054	3	TO14	ACETONE	9.4	PPBV
12-SG054	36912SG054	3	TO14	BENZENE	0.81	PPBV
12-SG054	36912SG054	3	TO14	CHLOROMETHANE	1.4	PPBV
12-SG054	36912SG054	3	TO14	ETHANOL	3.4	PPBV
12-SG054	36912SG054	3	TO14	M,P-XYLENES	1.4	PPBV
12-SG054	36912SG054	3	TO14	TOLUENE	2.1	PPBV

TABLE 1
SITE 12 SOIL GAS SURVEY DETECTS

Location ID	Sample ID	Depth (ft bgs)	Analytical Group	Analyte	Result	Units
12-SG055	36912SG012	3	NATGAS	CARBON DIOXIDE	3.6	%
12-SG055	36912SG055	3	NATGAS	CARBON DIOXIDE	3.8	%
12-SG055	36912SG012	3	NATGAS	NITROGEN	76	%
12-SG055	36912SG055	3	NATGAS	NITROGEN	76	%
12-SG055	36912SG012	3	NATGAS	OXYGEN	20	%
12-SG055	36912SG055	3	NATGAS	OXYGEN	20	%
12-SG055	36912SG012	3	TO14	1,2,4-TRIMETHYLBENZENE	2	PPBV
12-SG055	36912SG055	3	TO14	1,2,4-TRIMETHYLBENZENE	1.2	PPBV
12-SG055	36912SG012	3	TO14	ACETONE	10	PPBV
12-SG055	36912SG055	3	TO14	ACETONE	8.3	PPBV
12-SG055	36912SG012	3	TO14	BENZENE	2	PPBV
12-SG055	36912SG055	3	TO14	BENZENE	0.98	PPBV
12-SG055	36912SG012	3	TO14	CHLOROFORM	3.9	PPBV
12-SG055	36912SG055	3	TO14	CHLOROFORM	4.6	PPBV
12-SG055	36912SG055	3	TO14	CHLOROMETHANE	0.98	PPBV
12-SG055	36912SG012	3	TO14	ETHANOL	14	PPBV
12-SG055	36912SG055	3	TO14	ETHANOL	3.9	PPBV
12-SG055	36912SG012	3	TO14	ETHYLBENZENE	1.3	PPBV
12-SG055	36912SG012	3	TO14	M,P-XYLENES	4.1	PPBV
12-SG055	36912SG055	3	TO14	M,P-XYLENES	1.7	PPBV
12-SG055	36912SG012	3	TO14	O-XYLENE	1.5	PPBV
12-SG055	36912SG055	3	TO14	TETRACHLOROETHENE	0.9	PPBV
12-SG055	36912SG012	3	TO14	TOLUENE	10	PPBV
12-SG055	36912SG055	3	TO14	TOLUENE	2.9	PPBV
12-SG055	36912SG012	3	TO14	TRICHLOROETHENE	22	PPBV
12-SG055	36912SG055	3	TO14	TRICHLOROETHENE	27	PPBV
12-SG056	36912SG056	3	NATGAS	CARBON DIOXIDE	1.7	%
12-SG056	36912SG056	3	NATGAS	NITROGEN	76	%
12-SG056	36912SG056	3	NATGAS	OXYGEN	22	%
12-SG056	36912SG056	3	TO14	1,1,1-TRICHLOROETHANE	1.2	PPBV
12-SG056	36912SG056	3	TO14	1,2,4-TRIMETHYLBENZENE	1.1	PPBV
12-SG056	36912SG056	3	TO14	ACETONE	9.3	PPBV
12-SG056	36912SG056	3	TO14	BENZENE	2.8	PPBV
12-SG056	36912SG056	3	TO14	CHLOROFORM	1.4	PPBV
12-SG056	36912SG056	3	TO14	CHLOROMETHANE	0.83	PPBV
12-SG056	36912SG056	3	TO14	ETHANOL	4	PPBV
12-SG056	36912SG056	3	TO14	M,P-XYLENES	2	PPBV
12-SG056	36912SG056	3	TO14	TOLUENE	4.7	PPBV
12-SG056	36912SG056	3	TO14	TRICHLOROETHENE	2.8	PPBV
12-SG057	36912SG057	3	NATGAS	CARBON DIOXIDE	3.9	%
12-SG057	36912SG057	3	NATGAS	NITROGEN	76	%
12-SG057	36912SG057	3	NATGAS	OXYGEN	20	%
12-SG057	36912SG057	3	TO14	1,2,4-TRIMETHYLBENZENE	1.2	PPBV
12-SG057	36912SG057	3	TO14	ACETONE	8.9	PPBV
12-SG057	36912SG057	3	TO14	BENZENE	1.4	PPBV
12-SG057	36912SG057	3	TO14	CARBON DISULFIDE	3.5	PPBV
12-SG057	36912SG057	3	TO14	CHLOROFORM	2.7	PPBV
12-SG057	36912SG057	3	TO14	FREON 12	0.97	PPBV
12-SG057	36912SG057	3	TO14	M,P-XYLENES	1.7	PPBV
12-SG057	36912SG057	3	TO14	METHYLENE CHLORIDE	1.9	PPBV
12-SG057	36912SG057	3	TO14	TOLUENE	1.7	PPBV
12-SG058	36912SG058	3	NATGAS	CARBON DIOXIDE	0.057	%
12-SG058	36912SG058	3	NATGAS	NITROGEN	76	%
12-SG058	36912SG058	3	NATGAS	OXYGEN	24	%
12-SG058	36912SG058	3	TO14	1,2,4-TRIMETHYLBENZENE	1.5	PPBV
12-SG058	36912SG058	3	TO14	ACETONE	16	PPBV
12-SG058	36912SG058	3	TO14	CARBON DISULFIDE	7.7	PPBV
12-SG058	36912SG058	3	TO14	CHLOROMETHANE	1.2	PPBV
12-SG058	36912SG058	3	TO14	ETHANOL	3.5	PPBV
12-SG058	36912SG058	3	TO14	FREON 12	0.8	PPBV
12-SG058	36912SG058	3	TO14	M,P-XYLENES	2.5	PPBV
12-SG058	36912SG058	3	TO14	METHYLENE CHLORIDE	1.3	PPBV
12-SG058	36912SG058	3	TO14	O-XYLENE	0.97	PPBV
12-SG058	36912SG058	3	TO14	TOLUENE	2.9	PPBV

TABLE 1
SITE 12 SOIL GAS SURVEY DETECTS

Location ID	Sample ID	Depth (ft bgs)	Analytical Group	Analyte	Result	Units
12-SG059	36912SG059	3	NATGAS	CARBON DIOXIDE	4.9	%
12-SG059	36912SG059	3	NATGAS	NITROGEN	76	%
12-SG059	36912SG059	3	NATGAS	OXYGEN	19	%
12-SG059	36912SG059	3	TO14	1,2,4-TRIMETHYLBENZENE	2	PPBV
12-SG059	36912SG059	3	TO14	2-BUTANONE	3.7	PPBV
12-SG059	36912SG059	3	TO14	ACETONE	24	PPBV
12-SG059	36912SG059	3	TO14	BENZENE	1.1	PPBV
12-SG059	36912SG059	3	TO14	CARBON DISULFIDE	7	PPBV
12-SG059	36912SG059	3	TO14	CHLOROMETHANE	1.6	PPBV
12-SG059	36912SG059	3	TO14	ETHANOL	3.7	PPBV
12-SG059	36912SG059	3	TO14	FREON 12	1.1	PPBV
12-SG059	36912SG059	3	TO14	HEXANE	4	PPBV
12-SG059	36912SG059	3	TO14	M,P-XYLENES	2.9	PPBV
12-SG059	36912SG059	3	TO14	METHYLENE CHLORIDE	1.8	PPBV
12-SG059	36912SG059	3	TO14	O-XYLENE	0.86	PPBV
12-SG059	36912SG059	3	TO14	TOLUENE	2.6	PPBV
12-SG060	36912SG060	3	NATGAS	CARBON DIOXIDE	1.5	%
12-SG060	36912SG060	3	NATGAS	NITROGEN	78	%
12-SG060	36912SG060	3	NATGAS	OXYGEN	21	%
12-SG060	36912SG060	3	TO14	ACETONE	5.7	PPBV
12-SG060	36912SG060	3	TO14	CHLOROFORM	1.5	PPBV
12-SG060	36912SG060	3	TO14	FREON 113	2.2	PPBV
12-SG060	36912SG060	3	TO14	TOLUENE	1.2	PPBV
12-SG061	36912SG061	3	NATGAS	CARBON DIOXIDE	1.1	%
12-SG061	36912SG061	3	NATGAS	NITROGEN	77	%
12-SG061	36912SG061	3	NATGAS	OXYGEN	22	%
12-SG061	36912SG061	3	TO14	1,2,4-TRIMETHYLBENZENE	1	PPBV
12-SG061	36912SG061	3	TO14	ACETONE	22	PPBV
12-SG061	36912SG061	3	TO14	BENZENE	2.7	PPBV
12-SG061	36912SG061	3	TO14	CHLOROFORM	2.4	PPBV
12-SG061	36912SG061	3	TO14	FREON 11	1.7	PPBV
12-SG061	36912SG061	3	TO14	M,P-XYLENES	1.8	PPBV
12-SG061	36912SG061	3	TO14	O-XYLENE	0.77	PPBV
12-SG061	36912SG061	3	TO14	TOLUENE	2.8	PPBV
12-SG062	36912SG062	3	NATGAS	CARBON DIOXIDE	0.33	%
12-SG062	36912SG062	3	NATGAS	NITROGEN	78	%
12-SG062	36912SG062	3	NATGAS	OXYGEN	22	%
12-SG062	36912SG062	3	TO14	1,2,4-TRIMETHYLBENZENE	0.99	PPBV
12-SG062	36912SG062	3	TO14	ACETONE	20	PPBV
12-SG062	36912SG062	3	TO14	BENZENE	0.78	PPBV
12-SG062	36912SG062	3	TO14	ETHANOL	4.4	PPBV
12-SG062	36912SG062	3	TO14	M,P-XYLENES	1.2	PPBV
12-SG062	36912SG062	3	TO14	TOLUENE	1.4	PPBV
12-SG063	36912SG063	3	NATGAS	CARBON DIOXIDE	1.6	%
12-SG063	36912SG063	3	NATGAS	NITROGEN	76	%
12-SG063	36912SG063	3	NATGAS	OXYGEN	22	%
12-SG063	36912SG063	3	TO14	1,2,4-TRIMETHYLBENZENE	1.3	PPBV
12-SG063	36912SG063	3	TO14	2-BUTANONE	3.5	PPBV
12-SG063	36912SG063	3	TO14	ACETONE	40	PPBV
12-SG063	36912SG063	3	TO14	BENZENE	1	PPBV
12-SG063	36912SG063	3	TO14	CHLOROFORM	2.1	PPBV
12-SG063	36912SG063	3	TO14	ETHANOL	3.3	PPBV
12-SG063	36912SG063	3	TO14	FREON 12	0.87	PPBV
12-SG063	36912SG063	3	TO14	HEPTANE	3.1	PPBV
12-SG063	36912SG063	3	TO14	HEXANE	3	PPBV
12-SG063	36912SG063	3	TO14	M,P-XYLENES	2.3	PPBV
12-SG063	36912SG063	3	TO14	METHYLENE CHLORIDE	0.96	PPBV
12-SG063	36912SG063	3	TO14	O-XYLENE	1	PPBV
12-SG063	36912SG063	3	TO14	TOLUENE	2.8	PPBV

Location ID	Sample ID	Depth (ft bgs)	Analytical Group	Analyte	Result	Units
12-SG064	36912SG064	3	NATGAS	CARBON DIOXIDE	2.5	%
12-SG064	36912SG064	3	NATGAS	NITROGEN	75	%
12-SG064	36912SG064	3	NATGAS	OXYGEN	22	%
12-SG064	36912SG064	3	TO14	1,2,4-TRIMETHYLBENZENE	2.1	PPBV
12-SG064	36912SG064	3	TO14	ACETONE	7.3	PPBV
12-SG064	36912SG064	3	TO14	CHLOROFORM	0.98	PPBV
12-SG064	36912SG064	3	TO14	CHLOROMETHANE	1.1	PPBV
12-SG064	36912SG064	3	TO14	ETHANOL	4.2	PPBV
12-SG064	36912SG064	3	TO14	M,P-XYLENES	2	PPBV
12-SG064	36912SG064	3	TO14	TOLUENE	1.5	PPBV
12-SG065	36912SG013	2	NATGAS	CARBON DIOXIDE	0.11	%
12-SG065	36912SG065	2	NATGAS	CARBON DIOXIDE	0.099	%
12-SG065	36912SG013	2	NATGAS	NITROGEN	76	%
12-SG065	36912SG065	2	NATGAS	NITROGEN	77	%
12-SG065	36912SG013	2	NATGAS	OXYGEN	24	%
12-SG065	36912SG065	2	NATGAS	OXYGEN	23	%
12-SG065	36912SG013	2	TO14	1,2,4-TRIMETHYLBENZENE	3.2	PPBV
12-SG065	36912SG065	2	TO14	1,2,4-TRIMETHYLBENZENE	1.8	PPBV
12-SG065	36912SG013	2	TO14	1,3,5-TRIMETHYLBENZENE	0.9	PPBV
12-SG065	36912SG013	2	TO14	ACETONE	13	PPBV
12-SG065	36912SG065	2	TO14	ACETONE	5.8	PPBV
12-SG065	36912SG013	2	TO14	BENZENE	1.8	PPBV
12-SG065	36912SG065	2	TO14	BENZENE	1.4	PPBV
12-SG065	36912SG013	2	TO14	ETHANOL	6.8	PPBV
12-SG065	36912SG065	2	TO14	ETHANOL	4.2	PPBV
12-SG065	36912SG013	2	TO14	M,P-XYLENES	3	PPBV
12-SG065	36912SG065	2	TO14	M,P-XYLENES	1.5	PPBV
12-SG065	36912SG065	2	TO14	METHYLENE CHLORIDE	15	PPBV
12-SG065	36912SG013	2	TO14	O-XYLENE	1.3	PPBV
12-SG065	36912SG013	2	TO14	TOLUENE	2.8	PPBV
12-SG065	36912SG065	2	TO14	TOLUENE	2	PPBV
12-SG066	36912SG066	3	NATGAS	CARBON DIOXIDE	0.62	%
12-SG066	36912SG066	3	NATGAS	NITROGEN	77	%
12-SG066	36912SG066	3	NATGAS	OXYGEN	22	%
12-SG066	36912SG066	3	TO14	1,2,4-TRIMETHYLBENZENE	3.7	PPBV
12-SG066	36912SG066	3	TO14	1,3,5-TRIMETHYLBENZENE	1	PPBV
12-SG066	36912SG066	3	TO14	ACETONE	17	PPBV
12-SG066	36912SG066	3	TO14	BENZENE	2.9	PPBV
12-SG066	36912SG066	3	TO14	ETHANOL	3.7	PPBV
12-SG066	36912SG066	3	TO14	ETHYLBENZENE	1.7	PPBV
12-SG066	36912SG066	3	TO14	M,P-XYLENES	5.7	PPBV
12-SG066	36912SG066	3	TO14	O-XYLENE	2	PPBV
12-SG066	36912SG066	3	TO14	TOLUENE	5.6	PPBV
12-SG067	36912SG067	3	NATGAS	CARBON DIOXIDE	0.9	%
12-SG067	36912SG067	3	NATGAS	NITROGEN	77	%
12-SG067	36912SG067	3	NATGAS	OXYGEN	22	%
12-SG067	36912SG067	3	TO14	1,2,4-TRIMETHYLBENZENE	1.2	PPBV
12-SG067	36912SG067	3	TO14	ACETONE	11	PPBV
12-SG067	36912SG067	3	TO14	CHLOROFORM	1.7	PPBV
12-SG067	36912SG067	3	TO14	ETHANOL	3.4	PPBV
12-SG067	36912SG067	3	TO14	M,P-XYLENES	1.3	PPBV
12-SG067	36912SG067	3	TO14	TOLUENE	1	PPBV
12-SG068	36912SG068	3	NATGAS	CARBON DIOXIDE	0.56	%
12-SG068	36912SG068	3	NATGAS	NITROGEN	78	%
12-SG068	36912SG068	3	NATGAS	OXYGEN	22	%
12-SG068	36912SG068	3	TO14	ACETONE	13	PPBV
12-SG068	36912SG068	3	TO14	ETHANOL	3.8	PPBV

TABLE 1
SITE 12 SOIL GAS SURVEY DETECTS

Location ID	Sample ID	Depth (ft bgs)	Analytical Group	Analyte	Result	Units
12-SG069	36912SG069	2.5	NATGAS	CARBON DIOXIDE	2.6	%
12-SG069	36912SG069	2.5	NATGAS	NITROGEN	75	%
12-SG069	36912SG069	2.5	NATGAS	OXYGEN	22	%
12-SG069	36912SG069	2.5	TO14	2-BUTANONE	10	PPBV
12-SG069	36912SG069	2.5	TO14	ACETONE	150	PPBV
12-SG069	36912SG069	2.5	TO14	BENZENE	1.4	PPBV
12-SG069	36912SG069	2.5	TO14	BROMOMETHANE	0.86	PPBV
12-SG069	36912SG069	2.5	TO14	CARBON DISULFIDE	3.4	PPBV
12-SG069	36912SG069	2.5	TO14	CHLOROETHANE	1.6	PPBV
12-SG069	36912SG069	2.5	TO14	CHLOROFORM	0.86	PPBV
12-SG069	36912SG069	2.5	TO14	CHLOROMETHANE	7.9	PPBV
12-SG069	36912SG069	2.5	TO14	ETHANOL	11	PPBV
12-SG069	36912SG069	2.5	TO14	TOLUENE	1.8	PPBV
12-SG070	36912SG070	3	NATGAS	CARBON DIOXIDE	2.3	%
12-SG070	36912SG070	3	NATGAS	NITROGEN	78	%
12-SG070	36912SG070	3	NATGAS	OXYGEN	20	%
12-SG070	36912SG070	3	TO14	1,2,4-TRIMETHYLBENZENE	2.2	PPBV
12-SG070	36912SG070	3	TO14	ACETONE	6.4	PPBV
12-SG070	36912SG070	3	TO14	M,P-XYLENES	2.2	PPBV
12-SG070	36912SG070	3	TO14	METHYLENE CHLORIDE	1.6	PPBV
12-SG070	36912SG070	3	TO14	TETRACHLOROETHENE	5.1	PPBV
12-SG070	36912SG070	3	TO14	TOLUENE	1.9	PPBV
12-SG071	36912SG071	2.5	NATGAS	CARBON DIOXIDE	1.1	%
12-SG071	36912SG071	2.5	NATGAS	NITROGEN	77	%
12-SG071	36912SG071	2.5	NATGAS	OXYGEN	22	%
12-SG071	36912SG071	2.5	TO14	1,2,4-TRIMETHYLBENZENE	2.7	PPBV
12-SG071	36912SG071	2.5	TO14	ACETONE	39	PPBV
12-SG071	36912SG071	2.5	TO14	BENZENE	1.8	PPBV
12-SG071	36912SG071	2.5	TO14	CHLOROFORM	2.3	PPBV
12-SG071	36912SG071	2.5	TO14	M,P-XYLENES	3.4	PPBV
12-SG071	36912SG071	2.5	TO14	TETRACHLOROETHENE	28	PPBV
12-SG071	36912SG071	2.5	TO14	TOLUENE	3.7	PPBV
12-SG072	36912SG072	2.5	NATGAS	CARBON DIOXIDE	0.51	%
12-SG072	36912SG072	2.5	NATGAS	NITROGEN	77	%
12-SG072	36912SG072	2.5	NATGAS	OXYGEN	23	%
12-SG072	36912SG072	2.5	TO14	1,2,4-TRIMETHYLBENZENE	1.5	PPBV
12-SG072	36912SG072	2.5	TO14	ACETONE	9.4	PPBV
12-SG072	36912SG072	2.5	TO14	BENZENE	0.88	PPBV
12-SG072	36912SG072	2.5	TO14	ETHYLBENZENE	0.86	PPBV
12-SG072	36912SG072	2.5	TO14	M,P-XYLENES	2.7	PPBV
12-SG072	36912SG072	2.5	TO14	O-XYLENE	0.91	PPBV
12-SG072	36912SG072	2.5	TO14	TOLUENE	2.8	PPBV
12-SG073	36912SG073	3	NATGAS	CARBON DIOXIDE	1	%
12-SG073	36912SG073	3	NATGAS	NITROGEN	77	%
12-SG073	36912SG073	3	NATGAS	OXYGEN	22	%
12-SG073	36912SG073	3	TO14	1,2,4-TRIMETHYLBENZENE	2.2	PPBV
12-SG073	36912SG073	3	TO14	1,3,5-TRIMETHYLBENZENE	0.8	PPBV
12-SG073	36912SG073	3	TO14	ACETONE	5.5	PPBV
12-SG073	36912SG073	3	TO14	CHLOROFORM	1.5	PPBV
12-SG073	36912SG073	3	TO14	M,P-XYLENES	3	PPBV
12-SG073	36912SG073	3	TO14	O-XYLENE	1	PPBV
12-SG073	36912SG073	3	TO14	PROPYLENE	2.8	PPBV
12-SG073	36912SG073	3	TO14	TOLUENE	2.4	PPBV
12-SG074	36912SG074	3	NATGAS	CARBON DIOXIDE	2.6	%
12-SG074	36912SG074	3	NATGAS	NITROGEN	75	%
12-SG074	36912SG074	3	NATGAS	OXYGEN	22	%
12-SG074	36912SG074	3	TO14	ACETONE	6.4	PPBV
12-SG074	36912SG074	3	TO14	M,P-XYLENES	2.2	PPBV
12-SG074	36912SG074	3	TO14	TETRACHLOROETHENE	17	PPBV
12-SG074	36912SG074	3	TO14	TOLUENE	2.4	PPBV

TABLE 1
SITE 12 SOIL GAS SURVEY DETECTS

Location ID	Sample ID	Depth (ft bgs)	Analytical Group	Analyte	Result	Units
12-SG075	36912SG014	3	NATGAS	CARBON DIOXIDE	0.44	%
12-SG075	36912SG075	3	NATGAS	CARBON DIOXIDE	0.43	%
12-SG075	36912SG014	3	NATGAS	NITROGEN	77	%
12-SG075	36912SG075	3	NATGAS	NITROGEN	78	%
12-SG075	36912SG014	3	NATGAS	OXYGEN	23	%
12-SG075	36912SG075	3	NATGAS	OXYGEN	22	%
12-SG075	36912SG014	3	TO14	1,2,4-TRIMETHYLBENZENE	2.6	PPBV
12-SG075	36912SG075	3	TO14	1,2,4-TRIMETHYLBENZENE	1.9	PPBV
12-SG075	36912SG014	3	TO14	ACETONE	7.2	PPBV
12-SG075	36912SG075	3	TO14	ACETONE	7.7	PPBV
12-SG075	36912SG075	3	TO14	CARBON DISULFIDE	3.1	PPBV
12-SG075	36912SG014	3	TO14	CHLOROMETHANE	1	PPBV
12-SG075	36912SG014	3	TO14	M,P-XYLENES	2.7	PPBV
12-SG075	36912SG075	3	TO14	M,P-XYLENES	1.9	PPBV
12-SG075	36912SG014	3	TO14	METHYLENE CHLORIDE	0.92	PPBV
12-SG075	36912SG075	3	TO14	METHYLENE CHLORIDE	0.91	PPBV
12-SG075	36912SG014	3	TO14	O-XYLENE	0.94	PPBV
12-SG075	36912SG075	3	TO14	O-XYLENE	0.78	PPBV
12-SG075	36912SG014	3	TO14	TOLUENE	2.8	PPBV
12-SG075	36912SG075	3	TO14	TOLUENE	4.5	PPBV
12-SG076	36912SG076	3	NATGAS	CARBON DIOXIDE	2.6	%
12-SG076	36912SG076	3	NATGAS	NITROGEN	77	%
12-SG076	36912SG076	3	NATGAS	OXYGEN	20	%
12-SG076	36912SG076	3	TO14	ACETONE	5.6	PPBV
12-SG076	36912SG076	3	TO14	BENZENE	12	PPBV
12-SG076	36912SG076	3	TO14	M,P-XYLENES	0.92	PPBV
12-SG076	36912SG076	3	TO14	TOLUENE	1.6	PPBV
12-SG077	36912SG077	3	NATGAS	CARBON DIOXIDE	0.54	%
12-SG077	36912SG077	3	NATGAS	METHANE	0.021	%
12-SG077	36912SG077	3	NATGAS	NITROGEN	79	%
12-SG077	36912SG077	3	NATGAS	OXYGEN	20	%
12-SG077	36912SG077	3	TO14	1,1,2,2-TETRACHLOROETHANE	6.3	PPBV
12-SG077	36912SG077	3	TO14	1,2,4-TRIMETHYLBENZENE	8.5	PPBV
12-SG077	36912SG077	3	TO14	1,3,5-TRIMETHYLBENZENE	2.9	PPBV
12-SG077	36912SG077	3	TO14	2-BUTANONE	4.4	PPBV
12-SG077	36912SG077	3	TO14	4-ETHYLTOLUENE	8.7	PPBV
12-SG077	36912SG077	3	TO14	ACETONE	20	PPBV
12-SG077	36912SG077	3	TO14	CHLOROMETHANE	0.91	PPBV
12-SG077	36912SG077	3	TO14	ETHANOL	8.4	PPBV
12-SG077	36912SG077	3	TO14	ETHYLBENZENE	2.4	PPBV
12-SG077	36912SG077	3	TO14	HEPTANE	4.4	PPBV
12-SG077	36912SG077	3	TO14	HEXANE	5.2	PPBV
12-SG077	36912SG077	3	TO14	M,P-XYLENES	16	PPBV
12-SG077	36912SG077	3	TO14	O-XYLENE	5.8	PPBV
12-SG077	36912SG077	3	TO14	TETRACHLOROETHENE	1.1	PPBV
12-SG077	36912SG077	3	TO14	TOLUENE	6.2	PPBV
12-SG077	36912SG077	3	TO14	TRICHLOROETHENE	1.6	PPBV
12-SG078	36912SG078	3	NATGAS	CARBON DIOXIDE	0.43	%
12-SG078	36912SG078	3	NATGAS	METHANE	0.005	%
12-SG078	36912SG078	3	NATGAS	NITROGEN	79	%
12-SG078	36912SG078	3	NATGAS	OXYGEN	21	%
12-SG078	36912SG078	3	TO14	1,1,2,2-TETRACHLOROETHANE	3.7	PPBV
12-SG078	36912SG078	3	TO14	1,2,4-TRIMETHYLBENZENE	1.8	PPBV
12-SG078	36912SG078	3	TO14	2-BUTANONE	3.3	PPBV
12-SG078	36912SG078	3	TO14	ACETONE	16	PPBV
12-SG078	36912SG078	3	TO14	CHLOROMETHANE	1.5	PPBV
12-SG078	36912SG078	3	TO14	ETHANOL	11	PPBV
12-SG078	36912SG078	3	TO14	ETHYLBENZENE	0.77	PPBV
12-SG078	36912SG078	3	TO14	M,P-XYLENES	3	PPBV
12-SG078	36912SG078	3	TO14	O-XYLENE	0.99	PPBV
12-SG078	36912SG078	3	TO14	TOLUENE	2.6	PPBV
12-SG078	36912SG078	3	TO14	TRICHLOROETHENE	0.94	PPBV

TABLE 1
SITE 12 SOIL GAS SURVEY DETECTS

Location ID	Sample ID	Depth (ft bgs)	Analytical Group	Analyte	Result	Units
12-SG079	36912SG079	3	NATGAS	CARBON DIOXIDE	3.6	%
12-SG079	36912SG079	3	NATGAS	NITROGEN	76	%
12-SG079	36912SG079	3	NATGAS	OXYGEN	20	%
12-SG079	36912SG079	3	TO14	1,1,2,2-TETRACHLOROETHANE	7.3	PPBV
12-SG079	36912SG079	3	TO14	2-BUTANONE	3.1	PPBV
12-SG079	36912SG079	3	TO14	ACETONE	21	PPBV
12-SG079	36912SG079	3	TO14	CHLOROFORM	16	PPBV
12-SG079	36912SG079	3	TO14	CHLOROMETHANE	1.6	PPBV
12-SG079	36912SG079	3	TO14	ETHANOL	3.2	PPBV
12-SG079	36912SG079	3	TO14	HEPTANE	4.7	PPBV
12-SG079	36912SG079	3	TO14	HEXANE	5.9	PPBV
12-SG079	36912SG079	3	TO14	M,P-XYLENES	1.3	PPBV
12-SG079	36912SG079	3	TO14	TOLUENE	1.8	PPBV
12-SG079	36912SG079	3	TO14	TRICHLOROETHENE	1.6	PPBV
12-SG080	36912SG080	3	NATGAS	CARBON DIOXIDE	0.053	%
12-SG080	36912SG080	3	NATGAS	NITROGEN	78	%
12-SG080	36912SG080	3	NATGAS	OXYGEN	22	%
12-SG080	36912SG080	3	TO14	1,1,2,2-TETRACHLOROETHANE	15	PPBV
12-SG080	36912SG080	3	TO14	1,4-DIOXANE	5.4	PPBV
12-SG080	36912SG080	3	TO14	ACETONE	14	PPBV
12-SG080	36912SG080	3	TO14	BENZENE	7.7	PPBV
12-SG080	36912SG080	3	TO14	CHLOROMETHANE	1.5	PPBV
12-SG080	36912SG080	3	TO14	ETHANOL	4.7	PPBV
12-SG080	36912SG080	3	TO14	ETHYLBENZENE	0.76	PPBV
12-SG080	36912SG080	3	TO14	HEPTANE	7.2	PPBV
12-SG080	36912SG080	3	TO14	HEXANE	15	PPBV
12-SG080	36912SG080	3	TO14	M,P-XYLENES	0.91	PPBV
12-SG080	36912SG080	3	TO14	TOLUENE	9	PPBV
12-SG080	36912SG080	3	TO14	TRICHLOROETHENE	1.5	PPBV
12-SG081	36912SG081	3	NATGAS	BUTANE	0.002	%
12-SG081	36912SG081	3	NATGAS	CARBON DIOXIDE	4.4	%
12-SG081	36912SG081	3	NATGAS	METHANE	0.085	%
12-SG081	36912SG081	3	NATGAS	NITROGEN	77	%
12-SG081	36912SG081	3	NATGAS	OXYGEN	19	%
12-SG081	36912SG081	3	NATGAS	PROPANE	0.005	%
12-SG081	36912SG081	3	TO14	CYCLOHEXANE	140	PPBV
12-SG081	36912SG081	3	TO14	HEPTANE	2100	PPBV
12-SG081	36912SG081	3	TO14	HEXANE	6000	PPBV
12-SG082	36912SG082	3	NATGAS	CARBON DIOXIDE	1.7	%
12-SG082	36912SG082	3	NATGAS	METHANE	1.3	%
12-SG082	36912SG082	3	NATGAS	NITROGEN	78	%
12-SG082	36912SG082	3	NATGAS	OXYGEN	19	%
12-SG082	36912SG082	3	TO14	1,1,2,2-TETRACHLOROETHANE	16	PPBV
12-SG082	36912SG082	3	TO14	1,2,4-TRIMETHYLBENZENE	1.1	PPBV
12-SG082	36912SG082	3	TO14	2-BUTANONE	6.6	PPBV
12-SG082	36912SG082	3	TO14	ACETONE	30	PPBV
12-SG082	36912SG082	3	TO14	BENZENE	1.7	PPBV
12-SG082	36912SG082	3	TO14	CHLOROFORM	2.4	PPBV
12-SG082	36912SG082	3	TO14	CHLOROMETHANE	9.4	PPBV
12-SG082	36912SG082	3	TO14	CYCLOHEXANE	60	PPBV
12-SG082	36912SG082	3	TO14	ETHANOL	17	PPBV
12-SG082	36912SG082	3	TO14	FREON 114	.7	PPBV
12-SG082	36912SG082	3	TO14	FREON 12	7.9	PPBV
12-SG082	36912SG082	3	TO14	HEXANE	4.8	PPBV
12-SG082	36912SG082	3	TO14	M,P-XYLENES	1.8	PPBV
12-SG082	36912SG082	3	TO14	METHYLENE CHLORIDE	6.3	PPBV
12-SG082	36912SG082	3	TO14	TOLUENE	2.7	PPBV
12-SG082	36912SG082	3	TO14	TRICHLOROETHENE	.5	PPBV

TABLE 1
SITE 12 SOIL GAS SURVEY DETECTS

Location ID	Sample ID	Depth (ft bgs)	Analytical Group	Analyte	Result	Units
12-SG083	36912SG083	3	NATGAS	CARBON DIOXIDE	0.11	%
12-SG083	36912SG083	3	NATGAS	NITROGEN	78	%
12-SG083	36912SG083	3	NATGAS	OXYGEN	22	%
12-SG083	36912SG083	3	TO14	1,1,2,2-TETRACHLOROETHANE	9.5	PPBV
12-SG083	36912SG083	3	TO14	1,2,4-TRIMETHYLBENZENE	1.6	PPBV
12-SG083	36912SG083	3	TO14	2-BUTANONE	4.4	PPBV
12-SG083	36912SG083	3	TO14	ACETONE	26	PPBV
12-SG083	36912SG083	3	TO14	CHLOROMETHANE	1.6	PPBV
12-SG083	36912SG083	3	TO14	ETHANOL	11	PPBV
12-SG083	36912SG083	3	TO14	M,P-XYLENES	2.7	PPBV
12-SG083	36912SG083	3	TO14	O-XYLENE	0.77	PPBV
12-SG083	36912SG083	3	TO14	TETRACHLOROETHENE	0.93	PPBV
12-SG083	36912SG083	3	TO14	TOLUENE	2.1	PPBV
12-SG083	36912SG083	3	TO14	TRICHLOROETHENE	8	PPBV
12-SG084	36912SG084	3	NATGAS	CARBON DIOXIDE	2.1	%
12-SG084	36912SG084	3	NATGAS	NITROGEN	77	%
12-SG084	36912SG084	3	NATGAS	OXYGEN	21	%
12-SG084	36912SG084	3	TO14	1,2,4-TRIMETHYLBENZENE	0.86	PPBV
12-SG084	36912SG084	3	TO14	ACETONE	7.6	PPBV
12-SG084	36912SG084	3	TO14	CHLOROFORM	4.2	PPBV
12-SG084	36912SG084	3	TO14	ETHANOL	3.6	PPBV
12-SG084	36912SG084	3	TO14	M,P-XYLENES	0.78	PPBV

Notes:

ID	Identification
ft bgs	Feet below ground surface
PPBV	Parts per billion per unit volume
NA	Not applicable
NATGAS	American Society for Testing Materials (ASTM). 1991. *1991 Annual Book of ASTM Standards.* Volume 05.05, "Petroleum Products, Lubricants, and Fossil Fuels."
TO14	U.S. Environmental Protection Agency. 1988. "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air." Document No. EPA/600/4-89/017. June.

TABLE 2

SITE 12 SOIL GAS SURVEY

RESULTS GREATER THAN AMBIENT AIR PRELIMINARY REMEDIATION GOALS

Sample ID	PRG (µg/m3)	36912SG015	36912SG008	36912SG016	36912SG017	36912SG018	36912SG019	36912SG020	36912SG021	36912SG022	36912SG023
Location		12-SG015	12-SG015	12-SG016	12-SG017	12-SG018	12-SG019	12-SG020	12-SG021	12-SG022	12-SG023
Depth (ft bgs)		3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
VOC over PRG (µg/m3)											
Chloromethane	1.10	--	--	2.7	3.2	--	--	--	--	--	--
Vinyl Chloride	0.02	--	--	--	--	--	--	--	--	--	--
Bromomethane	5.2	--	--	--	--	--	--	--	--	--	--
Chloroethane	2.3	--	--	--	2.7	--	--	--	--	--	--
1,1-Dichloroethene	0.04	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	4.1	8.5	8.5	5.3	--	10.2	4.6	8.1	9.2	8.1	--
cis-1,2-Dichloroethene	37	--	--	--	--	--	--	--	--	--	--
Chloroform	0.08	--	--	5.5	--	--	--	--	--	4.7	8.4
Benzene	0.25	--	3.1	7.5	3.3	9.1	4.9	4.2	7.5	28	26
Trichloroethene	1.1	--	--	--	--	--	39.9	--	--	--	--
1,1,2-Trichloroethane	0.12	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	3.3	--	--	--	--	--	--	--	--	14.5	15.9
1,1,2,2-Tetrachloroethane	0.03	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	6.2	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	6.2	--	--	--	7	--	--	--	--	--	--
trans-1,2-Dichloroethene	73	--	--	--	--	--	--	--	--	--	--
Hexane	210	--	--	--	--	--	--	--	--	--	--
Tetrahydrofuran	0.99	--	--	--	--	--	22.2	--	--	--	--
Cyclohexane	0.0052	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	0.61	--	--	--	--	--	--	--	--	--	--
Heptane	120 (n-hexane as surrogate)	--	--	--	--	--	--	--	--	--	--
Sulfur Compounds (ppbv)											
Hydrogen Sulfide		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Sulfide		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dimethyl Disulfide		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fixed Gases (%)											
Oxygen		20	19	22	18	21	22	22	22	20	20
Nitrogen		76	77	77	77	77	78	78	78	77	77
Methane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Dioxide		4	4	1.1	4.8	1.9	0.28	0.425	0.3	1.7	1.8
Ethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Propane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isobutane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopentane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 2
SITE 12 SOIL GAS SURVEY
RESULTS GREATER THAN AMBIENT AIR PRELIMINARY REMEDIATION GOALS

Sample ID	36912SG024	36912SG025	36912SG009	36912SG026	36912SG027	36912SG028	36912SG029	36912SG030	36912SG031	36912SG032	36912SG033	36912SG034
Location	12-SG024	12-SG025	12-SG025	12-SG026	12-SG027	12-SG028	12-SG029	12-SG030	12-SG031	12-SG032	12-SG033	12-SG034
Depth (ft bgs)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.0
VOC over PRG (µg/m3)												
Chloromethane	--	--	--	--	--	--	--	--	1.9	--	2.3	2.1
Vinyl Chloride	--	--	--	--	--	--	103.9	241.6	8.6	--	--	--
Bromomethane	--	--	--	6.3	--	--	--	--	--	--	--	--
Chloroethane	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	--	--	--	--	--	--	--	107	--	--	--	--
Methylene Chloride	--	--	10.9	--	9.2	8.8	--	--	--	--	--	6.7
cis-1,2-Dichloroethene	--	--	--	--	--	--	68.5	685.1	--	--	--	--
Chloroform	--	119	129	6.9	7.4	15.9	--	--	--	--	6.4	--
Benzene	198.3	--	--	7.8	7.5	15.6	305.5	221	61.8	--	--	3.9
Trichloroethene	--	--	--	--	60.1	--	--	305.8	13.1	--	147.4	245.7
1,1,2-Trichloroethane	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	--	--	--	--	31.7	16.5	--	110.2	--	19.3	82.7	--
1,1,2,2-Tetrachloroethane	--	--	--	--	--	--	--	167.5	--	--	50.3	--
1,3,5-Trimethylbenzene	--	--	--	--	--	--	--	--	7	--	--	--
1,2,4-Trimethylbenzene	--	--	--	8.5	--	--	45	--	20.5	--	--	18
trans-1,2-Dichloroethene	--	--	--	--	--	--	--	--	--	--	--	--
Hexane	429.6	--	--	--	--	--	537	3582	--	--	--	--
Tetrahydrofuran	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	665	--	--	--	--	--	--	1295	--	--	--	--
1,4-Dioxane	--	--	--	--	--	--	--	--	--	--	--	12.8
Heptane	--	--	--	--	--	--	--	300.2	--	--	--	--
Sulfur Compounds (ppbv)												
Hydrogen Sulfide	20	NA	NA	ND	ND	NA	NA	ND	NA	ND	NA	NA
Carbon Sulfide	ND	NA	NA	ND	ND	NA	NA	ND	NA	ND	NA	NA
Carbon Disulfide	ND	NA	NA	ND	ND	NA	NA	ND	NA	ND	NA	NA
Dimethyl Disulfide	ND	NA	NA	ND	ND	NA	NA	ND	NA	ND	NA	NA
Fixed Gases (%)												
Oxygen	0.99	13	13	17	21	22	2.8	0.83	22	14	22	22
Nitrogen	54	86	86	79	77	77	27	48	77	79	77	78
Methane	38	ND	ND	ND	ND	0.0036	64	42	0.415	0.0087	ND	ND
Carbon Dioxide	6.6	1	1.1	3.6	2.4	0.56	6.1	7.6	0.43	7.2	0.66	0.18
Ethane	1	ND	ND	ND	ND	ND	0.24	1.2	ND	ND	ND	ND
Propane	0.0017	ND	ND	ND	ND	ND	0.0073	0.16	ND	ND	ND	ND
Isobutane	0.0023	ND	ND	ND	ND	ND	0.002	0.025	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	0.027	ND	ND	ND	ND
Isopentane	ND	ND	ND	ND	ND	ND	ND	0.0082	ND	ND	ND	ND
Pentane	ND	ND	ND	ND	ND	ND	ND	0.0026	ND	ND	ND	ND

TABLE 2
SITE 12 SOIL GAS SURVEY
RESULTS GREATER THAN AMBIENT AIR PRELIMINARY REMEDIATION GOALS

Sample ID	36912SG035	36912SG010	36912SG036	36912SG037	36912SG038	36912SG039	36912SG040	36912SG041	36912SG042	36912SG043	36912SG044	36912SG045
Location	12-SG035	12-SG035	12-SG036	12-SG037	12-SG038	12-SG039	12-SG040	12-SG041	12-SG042	12-SG043	12-SG044	12-SG045
Depth (ft bgs)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
VOC over PRG (µg/m3)												
Chloromethane	--	--	2.1	--	--	--	3.6	--	--	1.9	--	1.9
Vinyl Chloride	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	--	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	--	--	--	10.6	--	--	11.6	--	--	--	--	--
cis-1,2-Dichloroethene	--	--	--	--	4030	--	--	--	--	--	--	--
Chloroform	8.9	10.4	10.4	9.4	--	--	--	4.7	7.9	20.8	--	129
Benzene	--	2.8	--	--	--	--	--	--	--	--	--	--
Trichloroethene	26.2	35.5	81.9	44.2	44772	51.9	--	169.3	125.6	--	98.3	6.6
1,1,2-Trichloroethane	--	--	--	--	721	--	--	5.6	--	--	--	--
Tetrachloroethene	13.1	22	18.6	14.5	2342.6	7.6	--	34.5	26.9	--	12.4	--
1,1,2,2-Tetrachloroethane	--	--	97.7	--	7678	54.4	--	153.6	118.7	--	111.7	--
1,3,5-Trimethylbenzene	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	--	--	--	6.5	--	--	10.5	--	--	17.5	--	--
trans-1,2-Dichloroethene	--	--	--	--	3626.9	--	--	--	--	--	--	--
Hexane	--	--	--	--	--	--	--	--	--	--	--	--
Tetrahydrofuran	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	--	--	--	--	--	40.3	13.2	--	16.8	--	--	--
Heptane	--	--	--	--	--	--	--	--	--	--	--	--
Sulfur Compounds (ppbv)												
Hydrogen Sulfide	ND	ND	NA	NA	ND	NA	NA	6.2	NA	NA	ND	NA
Carbon Sulfide	ND	ND	NA	NA	ND	NA	NA	ND	NA	NA	ND	NA
Carbon Disulfide	ND	9.1	NA	NA	ND	NA	NA	ND	NA	NA	7.8	NA
Dimethyl Disulfide	12	ND	NA	NA	ND	NA	NA	ND	NA	NA	ND	NA
Fixed Gases (%)												
Oxygen	21	20	22	21	22	22	22	21	21	21	21	22
Nitrogen	76	77	77	78	77	77	77	77	77	77	77	77
Methane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Dioxide	3	2.9	0.59	0.92	1.2	1	1.2	1.9	1.6	2.1	2.3	0.83
Ethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Propane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isobutane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 2
SITE 12 SOIL GAS SURVEY
RESULTS GREATER THAN AMBIENT AIR PRELIMINARY REMEDIATION GOALS

Sample ID	36912SG011	36912SG046	36912SG047	36912SG048	36912SG049	36912SG050	36912SG051	36912SG052	36912SG053	36912SG054	36912SG055	36912SG012
Location	12-SG045	12-SG046	12-SG047	12-SG048	12-SG049	12-SG050	12-SG051	12-SG052	12-SG053	12-SG054	12-SG055	12-SG055
Depth (ft bgs)	3.0	2.5	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
VOC over PRG (µg/m3)												
Chloromethane	--	--	--	--	15.3	--	--	--	--	2.9	2.1	--
Vinyl Chloride	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	--	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	--	10.2	12	11.3	--	6.4	--	11.6	--	--	--	--
cis-1,2-Dichloroethene	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	158.7	3.9	--	248	--	--	--	18.8	6	--	22.8	19.3
Benzene	--	2.8	--	--	--	--	--	2.5	--	2.6	3.2	6.5
Trichloroethene	5.1	--	--	--	--	4.7	--	--	--	--	147.4	120.1
1,1,2-Trichloroethane	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	--	--	--	--	--	--	--	6.9	--	--	6.2	--
1,1,2,2-Tetrachloroethane	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	--	--	--	--	10	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	--	8.5	9	10	21	8.5	--	10.5	--	--	--	10
trans-1,2-Dichloroethene	--	--	--	--	--	--	--	--	--	--	--	--
Hexane	--	--	--	--	--	--	--	--	--	--	--	--
Tetrahydrofuran	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	--	--	23.4	--	13.9	--	--	--	--	--	--	--
Heptane	--	--	--	--	--	--	--	--	--	--	--	--
Sulfur Compounds (ppbv)												
Hydrogen Sulfide	NA	ND	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Sulfide	NA	ND	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	NA	ND	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
Dimethyl Disulfide	NA	ND	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
Fixed Gases (%)												
Oxygen	22	22	20	22	21	5.2	22	20	20	20	20	20
Nitrogen	77	77	76	77	78	83	78	78	77	76	76	76
Methane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Dioxide	0.86	0.54	3.5	1.5	0.93	12	0.35	1.7	3.1	4.3	3.8	3.6
Ethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Propane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isobutane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 2
SITE 12 SOIL GAS SURVEY
RESULTS GREATER THAN AMBIENT AIR PRELIMINARY REMEDIATION GOALS

Sample ID	36912SG056	36912SG057	36912SG058	36912SG059	36912SG060	36912SG061	36912SG062	36912SG063	36912SG064	36912SG065	36912SG013	36912SG066
Location	12-SG056	12-SG057	12-SG058	12-SG059	12-SG060	12-SG061	12-SG062	12-SG063	12-SG064	12-SG065	12-SG065	12-SG066
Depth (ft bgs)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.0	2.0	3.0
VOC over PRG (µg/m3)												
Chloromethane	1.7	--	2.5	3.4	--	--	--	--	2.3	--	--	--
Vinyl Chloride	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	--	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	--	6.7	4.6	6.4	--	--	--	--	--	53	--	--
cis-1,2-Dichloroethene	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	6.9	13.4	--	--	7.4	11.9	--	10.4	4.9	--	--	--
Benzene	9.1	4.6	--	3.6	--	8.8	2.5	3.3	--	4.6	5.9	9.4
Trichloroethene	15.3	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	--	--	7.5	10	--	--	--	6.5	10.5	9	16	18.5
trans-1,2-Dichloroethene	--	--	--	--	--	--	--	--	--	--	--	--
Hexane	--	--	--	--	--	--	--	--	--	--	--	--
Tetrahydrofuran	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	--	--	--	--	--	--	--	--	--	--	--	--
Heptane	--	--	--	--	--	--	--	--	--	--	--	--
Sulfur Compounds (ppbv)												
Hydrogen Sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dimethyl Disulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fixed Gases (%)												
Oxygen	22	20	24	19	21	22	22	22	22	23	24	22
Nitrogen	76	76	76	76	78	77	78	76	75	77	76	77
Methane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Dioxide	1.7	3.9	0.057	4.9	1.5	1.1	0.33	1.6	2.5	0.099	0.11	0.62
Ethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Propane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isobutane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 2
SITE 12 SOIL GAS SURVEY
RESULTS GREATER THAN AMBIENT AIR PRELIMINARY REMEDIATION GOALS

Sample ID	36912SG067	36912SG068	36912SG069	36912SG070	36912SG071	36912SG072	36912SG073	36912SG074	36912SG075	36912SG014	36912SG076	36912SG077
Location	12-SG067	12-SG068	12-SG069	12-SG070	12-SG071	12-SG072	12-SG073	12-SG074	12-SG075	12-SG075	12-SG076	12-SG077
Depth (ft bgs)	3.0	3.0	2.5	3.0	2.5	2.5	3.0	3.0	3.0	3.0	3.0	3.0
VOC over PRG (µg/m3)												
Chloromethane	--	--	16.6	--	--	--	--	--	--	2.1	--	1.9
Vinyl Chloride	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	--	--	4.3	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	--	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	--	--	--	5.6	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	8.4	--	4.3	--	11.4	--	7.4	--	--	--	--	--
Benzene	--	--	4.6	--	5.9	2.9	--	--	--	--	3.9	--
Trichloroethene	--	--	--	--	--	--	--	--	--	--	--	8.7
1,1,2-Trichloroethane	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	--	--	--	35.1	192.9	--	--	11.7	--	--	--	7.6
1,1,2,2-Tetrachloroethane	--	--	--	--	--	--	--	--	--	--	--	44
1,3,5-Trimethylbenzene	--	--	--	--	--	--	--	--	--	--	--	14.5
1,2,4-Trimethylbenzene	--	--	--	11	13.5	7.5	11	--	9.5	13	--	42.5
trans-1,2-Dichloroethene	--	--	--	--	--	--	--	--	--	--	--	--
Hexane	--	--	--	--	--	--	--	--	--	--	--	--
Tetrahydrofuran	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	--	--	--	--	--	--	--	--	--	--	--	--
Heptane	--	--	--	--	--	--	--	--	--	--	--	--
Sulfur Compounds (ppbv)												
Hydrogen Sulfide	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA
Carbon Sulfide	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA
Carbon Disulfide	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA
Dimethyl Disulfide	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA
Fixed Gases (%)												
Oxygen	22	22	22	20	22	23	22	22	22	23	20	20
Nitrogen	77	78	75	78	77	77	77	75	78	77	77	79
Methane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.021
Carbon Dioxide	0.9	0.56	2.6	2.3	1.1	0.51	1	2.6	0.43	0.44	2.6	0.43
Ethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Propane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isobutane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 2
SITE 12 SOIL GAS SURVEY
RESULTS GREATER THAN AMBIENT AIR PRELIMINARY REMEDIATION GOALS

Sample ID	36912SG078	36912SG079	36912SG080	36912SG081	36912SG082	36912SG083	36912SG084	36912AA004	36912AA005	36912AA006	36912AA007	36912AA008
Location	12-SG078	12-SG079	12-SG080	12-SG081	12-SG082	12-SG083	12-SG084	12-AA004	12-AA005	12-AA006	12-AA007	12-AA008
Depth (ft bgs)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	--	--	--	--	--
VOC over PRG (µg/m3)												
Chloromethane	3.2	3.4	3.2	--	19.7	3.4	--	--	3.4	--	--	--
Vinyl Chloride	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	--	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	--	--	--	--	22.2	--	--	8.8	8.8	9.9	9.5	9.9
cis-1,2-Dichloroethene	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	--	79.4	--	--	11.9	--	20.8	--	--	--	--	--
Benzene	--	--	25	--	5.5	--	--	--	--	--	--	--
Trichloroethene	5.1	8.7	8.2	--	27.3	43.7	--	--	--	--	--	--
1,1,2-Trichloroethane	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	--	--	--	--	--	6.4	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	25.8	51	10.5	--	111.7	66.3	--	--	--	--	--	--
1,3,5-Trimethylbenzene	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	9	--	--	--	--	8	--	--	--	--	--	--
trans-1,2-Dichloroethene	--	--	--	--	--	--	--	--	--	--	--	--
Hexane	--	--	--	21493	--	--	--	--	--	--	--	--
Tetrahydrofuran	--	--	--	--	--	--	--	--	--	--	--	--
Cyclohexane	--	--	--	490	210	--	--	--	--	--	--	--
1,4-Dioxane	--	--	19.8	--	--	--	--	--	12.4	--	--	--
Heptane	--	--	--	8747	--	--	--	--	--	--	--	--
Sulfur Compounds (ppbv)												
Hydrogen Sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dimethyl Disulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fixed Gases (%)												
Oxygen	21	20	22	19	19	22	21	23	23	24	23	23
Nitrogen	79	76	78	77	78	78	77	77	77	76	77	77
Methane	0.005	ND	ND	0.085	1.3	ND	ND	ND	ND	ND	ND	ND
Carbon Dioxide	0.43	3.6	0.053	4.4	1.7	0.11	2.1	0.047	0.047	0.047	0.046	0.047
Ethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Propane	ND	ND	ND	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Isobutane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Isopentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 2
SITE 12 SOIL GAS SURVEY
RESULTS GREATER THAN AMBIENT AIR PRELIMINARY REMEDIATION GOALS

Sample ID	36912AA009	36912AA010	36912AA011	36912AA012	36912AA013	36912AA014	36912AA015
Location	12-AA009	12-AA010	12-AA011	12-AA012	12-AA013	12-AA014	12-AA014
Depth (ft bgs)	--	--	--	--	--	--	--
VOC over PRG (µg/m3)							
Chloromethane	2.5	2.1	--	--	--	--	--
Vinyl Chloride	--	--	--	--	--	--	--
Bromomethane	--	--	--	--	--	--	--
Chloroethane	--	--	--	--	--	--	--
1,1-Dichloroethene	--	--	--	--	--	--	--
Methylene Chloride	10.2	9.9	9.9	--	--	--	--
cis-1,2-Dichloroethene	--	--	--	--	--	--	--
Chloroform	--	--	--	--	--	--	--
Benzene	--	--	--	--	--	--	--
Trichloroethene	--	--	--	--	--	--	--
1,1,2-Trichloroethane	--	--	--	--	--	--	--
Tetrachloroethene	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	--	--	--	--	--	--	--
Hexane	--	--	--	--	--	--	--
Tetrahydrofuran	--	--	--	--	--	--	--
Cyclohexane	--	--	--	--	--	--	--
1,4-Dioxane	--	--	--	--	--	27.8	--
Heptane	--	--	--	--	--	--	--
Sulfur Compounds (ppbv)							
Hydrogen Sulfide	NA	NA	NA	NA	NA	NA	NA
Carbon Sulfide	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	NA	NA	NA	NA	NA	NA	NA
Dimethyl Disulfide	NA	NA	NA	NA	NA	NA	NA
Fixed Gases (%)							
Oxygen	24	23	23	23	23	26	25
Nitrogen	76	77	77	77	77	74	7.5
Methane	ND	ND	ND	ND	ND	ND	ND
Carbon Dioxide	0.048	0.048	0.047	0.048	0.047	0.054	0.052
Ethane	ND	ND	ND	ND	ND	ND	ND
Propane	ND	ND	ND	ND	ND	ND	ND
Isobutane	ND	ND	ND	ND	ND	ND	ND
Butane	ND	ND	ND	ND	ND	ND	ND
Isopentane	ND	ND	ND	ND	ND	ND	ND
Pentane	ND	ND	ND	ND	ND	ND	ND

Notes:

ID	Identification
VOC	Volatile organic compound
PRG	U.S. EPA preliminary remediation goal
ft bgs	Feet below ground surface
µg/m3	Micrograms per cubic meter
%	Percent
PPBV	Parts per billion per unit volume
--	Not applicable
NA	Not analyzed
ND	Not detected

TABLE 3
SOIL VAPOR SCREENING TABLE

Analyte	AMBIENT AIR PRG (µg/m3)	1000 X AMBIENT AIR PRG (µg/m3)	Soil Vapor Concentrations (µg/m3) Resulting in 10E-6 Cancer Risk	Soil Vapor Concentrations (µg/m3) Resulting in 10E-5 Cancer Risk	Soil Vapor Concentrations (µg/m3) Resulting in 10E-4 Cancer Risk
Chloromethane	1.1	1,100	NA	NA	NA
Vinyl Chloride	0.022	22	37	373	3,730
Bromomethane	5.2	5,200	8,030	8,030	8,030
Chloroethane	2.3	2,300	NA	NA	NA
1,1-Dichloroethene	0.038	38	68	676	6,760
Freon 113	0.12	120	NA	NA	NA
Methylene Chloride	4.1	4,100	6,820	68,200	682,000
cis-1,2-Dichloroethene	31	31,000	55,900	55,900	55,900
Chloroform	0.084	84	137	1,370	13,700
Benzene	0.25	250	411	4,110	41,100
Trichloroethene	1.1	1,100	2,120	21,200	212,000
1,1,2-Trichloroethane	0.12	120	226	2,260	22,600
Tetrachloroethene	3.3	3,300	6,490	64,900	649,000
1,1,2,2-Tetrachloroethane	0.033	33	66	655	6,550
1,3,5-Trimethylbenzene	6.2	6,200	NA	NA	NA
1,2,4-Trimethylbenzene	6.2	6,200	NA	NA	NA
trans-1,2-Dichloroethene	73	73,000	114,000	114,000	114,000
Hexane	210	210,000	NA	NA	NA
Tetrahydrofuran	0.99	990	NA	NA	NA
Cyclohexane	0.0052	5	26	260	1,540
1,4-Dioxane	0.61	610	NA	NA	NA
2-Propanol	370*	370,000*	NA	NA	NA
2-Hexanone	83*	83,000*	NA	NA	NA
Ethanol	1800*	1,800,000*	NA	NA	NA
Heptane	120*	120,000*	NA	NA	NA

Note:

Cancer risk based on soil vapor concentration at 3.0 feet below ground surface

µg/m3 Micrograms per cubic meter

PRG U.S. EPA preliminary remediation goal

NA Not applicable: the parameters for these analytes have not been set up in the Johnson and Ettinger (1991) model.

* Analyte does not have a PRG; the following surrogates were used:

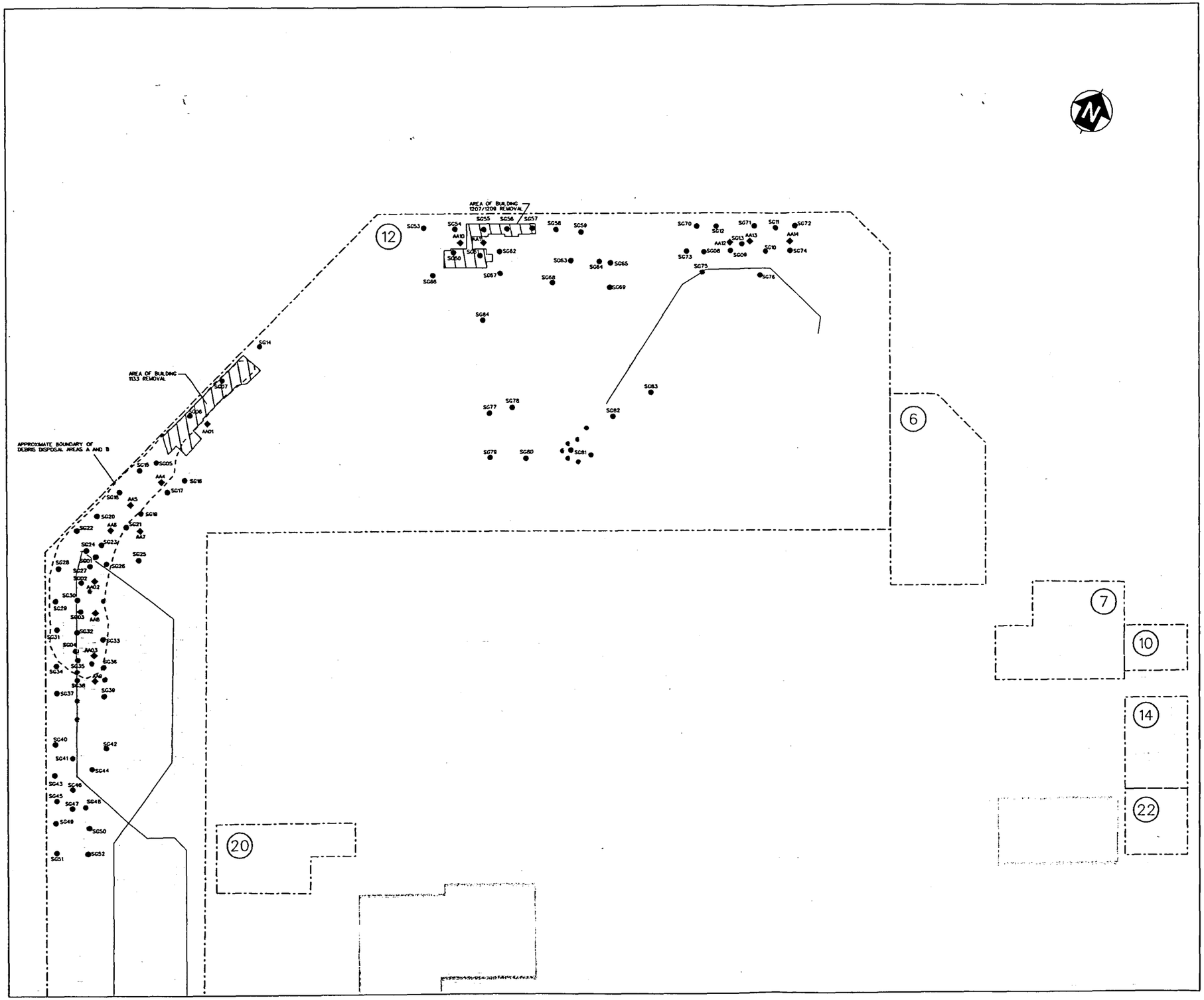
ANALYTE	SURROGATE
2-Propanol	→ Butanol
2-Hexanone	→ Metholsobutylketone
Ethanol	→ Methanol
Heptane	→ n-hexane

TABLE 4
HUMAN HEALTH RISK SCREENING TABLE

Location ID	Sample ID	Depth (ft bgs)	Analyte	Soil Vapor Concentration (µg/m3)	1000 X AMBIENT AIR PRG (µg/m3)	Soil Vapor Concentrations (µg/m3) Resulting in 10E-6 Cancer Risk	From J&E Model		
							Indoor Air Concentration	Cancer Risk	Hazard Index
12-SG024	36912SG024	3.0	Cyclohexane	665	5	26	0.17	2.60E-05	NA
12-SG029	36912SG029	3.0	Vinyl Chloride	104	22	37	0.08	2.80E-06	NA
12-SG030	36912SG030	3.0	Vinyl Chloride	242	22	37	0.19	6.50E-06	NA
12-SG030	36912SG030	3.0	1,1-Dichloroethene	107	38	68	0.08	1.60E-06	NA
12-SG030	36912SG030	3.0	1,1,2,2-Tetrachloroethane	168	33	66	0.11	2.60E-06	NA
12-SG030	36912SG030	3.0	Cyclohexane	1,295	5	26	0.33	5.50E-05	NA
12-SG036	36912SG036	3.0	1,1,2,2-Tetrachloroethane	98	33	66	0.06	1.50E-06	NA
12-SG038	36912SG038	3.0	Trichloroethene	44,772	1,100	12,120	30.30	2.10E-05	NA
12-SG038	36912SG038	3.0	1,1,2-Trichloroethane	721	120	226	0.49	3.20E-06	NA
12-SG038	36912SG038	3.0	1,1,2,2-Tetrachloroethane	7,678	33	66	4.92	1.20E-04	NA
12-SG041	36912SG041	3.0	1,1,2,2-Tetrachloroethane	154	33	66	0.10	2.40E-06	NA
12-SG042	36912SG042	3.0	1,1,2,2-Tetrachloroethane	119	33	66	0.08	1.80E-06	NA
12-SG044	36912SG044	3.0	1,1,2,2-Tetrachloroethane	112	33	66	0.07	1.70E-06	NA
12-SG045	36912SG011	3.0	Chloroform	159	84	137	0.12	1.20E-06	NA
12-SG048	36912SG048	3.0	Chloroform	248	84	137	0.19	1.80E-06	NA
12-SG081	36912SG081	3.0	Cyclohexane	490	15	26	0.12	1.90E-05	NA
12-SG082	36912SG082	3.0	1,1,2,2-Tetrachloroethane	112	33	66	0.07	1.70E-06	NA
12-SG082	36912SG082	3.0	Cyclohexane	210	5	26	0.05	8.10E-06	NA
12-SG083	36912SG083	3.0	1,1,2,2-Tetrachloroethane	66	33	66	0.04	1.00E-06	NA

Notes:

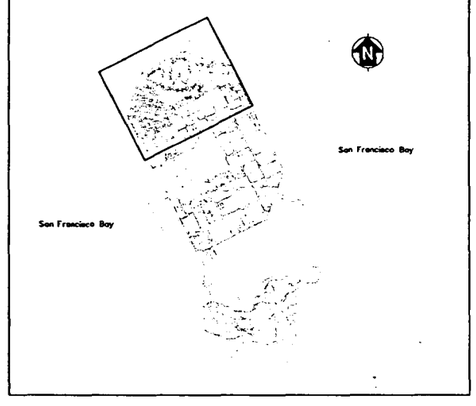
ID	Identification
ft bgs	Feet below ground surface
µg/m3	Micrograms per cubic meter
PRG	U.S. EPA preliminary remediation goal
NA	Not applicable
J&E Model	The Johnson and Ettinger (1991) Model for Subsurface Vapor Intrusion Into Buildings



LEGEND

- EXISTING SOIL GAS SAMPLE LOCATION
- EXISTING INDOOR AMBIENT AIR SAMPLE LOCATION
- EXISTING SOIL GAS SAMPLE LOCATION WITH ANALYTE GREATER THAN 1000 X PRG OR 10E-6 CANCER RISK
- EXISTING SOIL GAS SAMPLE LOCATION WITH GREATER THAN 1% METHANE
- PROPOSED SOIL GAS SAMPLE LOCATION
- (12) LOCATION OF IR SITE
- AREA OF CONCERN
- APPROXIMATE IR SITE BOUNDARY
- NATURAL GAS LINES WITH SUSPECTED LEAKS

VIEW LOCATION



150 0 150 300
SCALE IN FEET

NAVAL STATION TREASURE ISLAND, CALIFORNIA

PROPOSED SOIL GAS
SAMPLE LOCATIONS
SITE 12 - OLD BUNKER AREA

11/21/2000 ...\CLEAN\Treasure Island\CTO 369\Soil Gas June 2000\Soil Gas Results\Figures\soilgas3.dgn

ATTACHMENT 3

1. Flip Chart Notes from BCT Meeting 10/4/00
2. Installation Cleanup Plan
3. Summary of Upcoming Documents

Date Draft: November 21, 2000
Date Final: May 1, 2001

FLIP CHART NOTES FROM
BCT MEETING OCTOBER 4, 2000

DTSC

1

- Different RI Dates
  1 RI or Many RI's --> FS's, etc.
- Onshore, Offshore RI's, etc. ← same for public notice
- YBI --> Nothing in schedules for property transfer –
  ie: LBP issues & actions already taken into documents ← DTSC position CERCLA issues
  Compliance vs. CERCLA
  Area wide RAP to cover Island

★★ Basewide ROD - (DTSC prepared own RAP for Mare Island)

2

- Site 8 -->
  No Additional Investigation
  Except CDFG – Eco??
  Action – Navy – Get to it!
  City – Keep in Add. Investigation
  needed GW deep – none done
  soils – VOC sampling needed

- Site 9 [ALL SITES]
  Length of field investigation
  Ie. 3 months – 90 days – seems excessive

- Site 11 --> 180 days field work –
  seems excessive, too long.
  How does reconstruction of bridge affect areas? Discussion of agencies now (ie: CAL Trans, etc.)
  - 250 days too long to apply remedy

FLIP CHART NOTES FROM
BCT MEETING OCTOBER 4, 2000

3

Site 12 ⟶

- AI -> Plan for 4 additional debris areas – DTSC wants to see it soon
  Would like answer by the end of next week 10/13
- Site 12 - too long to end out to FY 05

Site 17 ⟶ FOST OF 17 & 5
need to be dates of site 24 FOST

Pipeline in CAP program ->
5 & 17 drop out of CERCLA
Site 24 CERCLA process

Site 21 ⟶
South waterfront -> 250 day remediation of field work - too long

Site 24 ⟶
Is it going to FS? FW taking 2 years (730 days)
Why?

4

Site 28 ⟶
Reuse? Do we do anything?
not residential.
recreational users - hikers - in schedule

Site 29 ⟶
Bay Bridge - - Coordination

CITY

- Schedules longer -> issue why?
  because of redevelopment - tied to it

- 1) Waterfront Sites
  15, 21, 3, 9, 27, 25
  August 2001
- 2) Site 12

Priority 1

FLIP CHART NOTES FROM
BCT MEETING OCTOBER 4, 2000

5

- 3) Pipeline - Scheduled FOST FY 03 goes thru parcels – clean holding transfer up
- 4) Site 24 -> 4/19, 5/17
- 5) Sites 6, 7, 10 -> in reuse plan for residential (EDC application different)
- SITE 5 data gap - 1999 - PAtt analysis - detection limits too high -> samples taken under pipeline program (SVOC's) - Navy has documentation
  → Neill - data to Gary Foote
- Petroleum contaminated soil - any Cannot be left in place -> Needs to be removed
  ★ All CAP's Sites - city says Navy responsibility
  → NO RISK MGMT PLAN
  ★ ie: Mission Bay

6

★ Global -> soil directly underneath bldgs. -> an issue -> within an IR Site

★ August - Master Developer on Board
ie: Site 7 - Bldg 62
ie: storm drain/req. drain within bldg.
are there pathways!!

Site 7 → samples East of bldg. #62
samples analyzed only Lead & pesticides.
Concern of other COC's, also no GW
Samples - Data Gap

Site 10 → Catch basins samples -> BTEX
Need to know if soil & GW samples were
collected at the catch basins

FLIP CHART NOTES FROM
BCT MEETING OCTOBER 4, 2000

7

SITE 9 → Need Add. Samples -> VOC's & PCB's

SITE 20 → Additional Inv. down gradient - addressing in CAP.

SITE 21 → DIP Tank (solvents) - locate schedule - close loop on this

SITE 24 → Are there potential utility conduits? COC's into the Bay → preferential pathways.

SITE 28/29 → Consider risk for recreational user
Lead dispersion boundaries
Change summary sheet from PCB's to Pb.

8

- Make new OU's??

- Those sites in AI → Site 21
  move in FS - Draft Final RI →
  Directly into FS → MNA
  Confirmation from DTSC & RWQCB
  on FOST's/RA's 1 year.

  - MNA is not active remedy @ Site 21
    Can you retroactively apply data?
    (GW monitoring)

NSTI FY 2000/01 – 2005/06

INSTALLATION CLEANUP PLAN

Naval Station Treasure Island
Service: US Navy
Funding Source: BRAC III

OVERVIEW:

The former Naval Station Treasure Island is a non-NPL site that closed in September 1997 and is being cleaned up under a September 1992 FFSRA. There have been several reorganizations of operable units throughout the history of this base remediation. The base is currently divided into four Operable Units: an Onshore Operable Unit, a Site 12 Operable Unit, an Offshore Operable Unit and a Petroleum Operable Unit. The Onshore Operable Unit contains 13 sites (1, 3, 5, 7, 8, 9, 10, 11, 17, 21, 24, 28, 29) and the Offshore Operable Unit contains 2 sites (13 and 27) within the San Francisco Bay and adjacent lagoon. The Site 12 Operable Unit contains 1 site and the Petroleum Operable Unit contains 9 sites (4, 6, 14, 15, 16, 19, 20, 22, 25). Six Zone FOSLs will have been completed by end of FY 98/99, for 100 % of the base. The FOST documents have begun and will be completed during FY 06/07.

GOALS: In order to protect public health and the environment and to facilitate reuse of this closed military base, the Project Team agree to the following long term goals:

- o Complete construction of all remedial actions by December 2005
- o Certify that all remedies are complete or operating as required by the RAP / ROD by December 2003
- o Establish and implement Long Term monitoring programs required by the RAP / ROD
- o Implement any institutional controls required by the RAP / ROD
- o Phase out RAB activities in late in the year 2005 when all remedial actions are complete.
- o Facilitate completion of the base wide or Zone FOST(s) as soon as remediation is completed or in place.

PUBLIC HEALTH AND THE ENVIRONMENT: The Onshore, Site 12, Offshore and Petroleum operable units remedial actions will reduce hazardous substance contamination to a level acceptable to unrestricted residential use where feasible or to other appropriate levels for uses consistent with reuse plans.

SUMMARY STATUS OF CLEANUP ACTIVITY: All Onshore, Site 12, Offshore and Petroleum operable units remedial actions are planned to be constructed by December 2005.

DTSC Project Manager _____ Phone _____

USEPA Project Manager _____ Phone _____

DoD Project Manager _____ Phone _____

RWQCB Project Manager _____ Phone _____

Date of Plan: _____

NSTI FY 2000/01 – 2005/06

INSTALLATION CLEANUP PLAN

Naval Station Treasure Island
Service: US Navy
Funding Source: BRAC III

OVERVIEW:

The former Naval Station Treasure Island is a non-NPL site that closed in September 1997 and is being cleaned up under a September 1992 FFSRA. There have been several reorganizations of operable units throughout the history of this base remediation. The base is currently divided into four Operable Units: an Onshore Operable Unit, a Site 12 Operable Unit, an Offshore Operable Unit and a Petroleum Operable Unit. The Onshore Operable Unit contains 13 sites (1, 3, 5, 7, 8, 9, 10, 11, 17, 21, 24, 28, 29) and the Offshore Operable Unit contains 2 sites (13 and 27) within the San Francisco Bay and adjacent lagoon. The Site 12 Operable Unit contains 1 site and the Petroleum Operable Unit contains 9 sites (4, 6, 14, 15, 16, 19, 20, 22, 25). Six Zone FOSLs will have been completed by end of FY 98/99, for 100 % of the base. The FOST documents have begun and will be completed during FY 06/07.

GOALS: In order to protect public health and the environment and to facilitate reuse of this closed military base, the Project Team agree to the following long term goals:

PUBLIC HEALTH AND THE ENVIRONMENT: The Onshore, Site 12, Offshore and Petroleum operable units remedial actions will reduce hazardous substance contamination to a level acceptable to unrestricted residential use where feasible or to other appropriate levels for uses consistent with reuse plans.

SUMMARY STATUS OF CLEANUP ACTIVITY: All Onshore, Site 12, Offshore and Petroleum operable units remedial actions are planned to be constructed by December 2005.

DTSC Project Manager _____ Phone _____

USEPA Project Manager _____ Phone _____

DoD Project Manager _____ Phone _____

RWQCB Project Manager _____ Phone _____

Date of Plan: _____

DRAFT
Revision 2
Last Revision: 10/02/00

- 12 Scheduled RAB Meetings (one per month)
- 12 Schedule Project Management Meetings (one per month)
- Implement 1 petroleum contamination Corrective Action Plan (for 9 sites)

DTSC Project Manager	Phone
USEPA Project Manager	Phone
DoD Project Manager	Phone
RWQCB Project Manager	Phone

DATE OF PLAN : _____

NAVSTA TI Installation Restoration Program
Summary of Upcoming Documents
October 2000 - October 2001

Item	DOCUMENT TITLE	CLIENT	NAVY RESPONSE	TO ALL AGENCIES	AGENCY RESPONSE				CLIENT	NAVY RESPONSE	COMMENTS
					DTSC	RWQCB	EPA	OTHER			
		Date Sent	Date Back	Date Sent	Date Back	Date Back	Date Back	Date Back	Date Sent	Date Back	
	Tetra Tech EMI										
1	Indoor Ambient Air Final FSP	9/12/00	10/2/00	10/2/00	No Response	No Response	No Response		NA	NA	
2	MW Draft FSP for Site 12	10/18/00	11/1/00	11/1/00	11/15/00	11/15/00	11/15/00		12/6/00	12/20/00	
3	FSY Oversight Report	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	
4	FSY FOSL	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	
5	WP for Debris Disposal Areas	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	
6	Site 12 RI	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	
7	Site 12 FS	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	
8	NFA documentation for Sites 1,3,5,7,17	11/1/00	1/3/01	1/3/01	2/9/01	2/9/01	2/9/01	2/9/01	--	--	
9	WP/QAPP for Sites 8 & 9 addtl. invest	1/31/01	3/2/01	3/2/01	4/1/01	4/1/01	4/1/01	4/1/01	5/9/01	5/16/01	
10	WP/QAPP for Site 11 addtl. invest	1/31/01	3/2/01	3/2/01	4/1/01	4/1/01	4/1/01	4/1/01	5/9/01	5/16/01	
11	WP/QAPP for Site 12 addtl. invest	1/31/01	3/2/01	3/2/01	4/1/01	4/1/01	4/1/01	4/1/01	5/9/01	5/16/01	
12	WP/QAPP for Site 24 addtl. invest	11/1/00	12/1/00	12/1/00	12/31/00	12/31/00	12/31/00	12/31/00	2/7/01	2/14/01	
13	WP/QAPP for Sites 28 & 29 addtl. invest	12/31/00	1/30/01	1/30/01	3/1/01	3/1/01	3/1/01	3/1/01	4/8/01	4/15/01	
14	WP/QAPP for Site 13 additl. invest	10/10/00	11/10/00	11/17/00	12/17/00	12/17/00	12/17/00	12/17/00	1/24/01	2/1/01	
15	Draft CAP Documentation (all sites)	5/30/01	6/25/01	7/23/01	8/20/01	8/20/01	8/20/01	8/20/01	--	--	Continues to Draft Final Stage
16	Final CAP Documentation (all sites)	10/10/01	10/22/01	10/28/01	11/27/01	11/27/01	11/27/01	11/27/01	n/a	11/28/01	
17	Final RI Site 10	3/28/01	4/12/01	4/19/01	5/19/01	5/19/01	5/19/01	5/19/01	7/4/01	7/11/01	
18	Final RI Sites 13 & 27	7/20/01	8/4/01	8/13/01	9/12/01	9/12/01	9/12/01	9/12/01	10/28/01	11/4/01	
19	Draft CAP Documentation for Pipeline	7/13/01	7/27/01	8/10/01	9/9/01	9/9/01	9/9/01	9/9/01	--	--	Continues to Draft Final Stage
20	Final CAP Documentation for Pipeline	9/23/01	10/23/01	9/23/01	10/23/01	10/23/01	10/23/01	10/23/01	--	--	Final 10/30/01
21	FOST for NFA Sites 1, 3, 5, 7 & 17	5/10/01	5/25/01	6/4/01	7/4/01	7/4/01	7/4/01	7/4/01	8/19/01	8/26/01	
	IT Corporation										
1	3rd and 5th St. fuel release DVE pilot WP	7/17/00	7/31/00	8/7/00	9/8/00	9/8/00	9/8/00	9/8/00	9/22/00	10/22/00	
2	Site 25 pilot WP	10/13/00	11/13/00	12/13/00	12/13/00	12/13/00	12/13/00	12/13/00	12/30/00	1/30/01	
3	Site 12 Debris Work Plans	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	
4	Site UST 270 pilot WP	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	
5	Site 12 FSY Post-construction report	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	
6	Site 14/22 pilot WP	11/30/00	12/30/00	1/30/01	1/30/01	1/30/01	1/30/01	1/30/01	2/15/01	3/15/01	
7	Site 15 pilot WP	12/30/00	1/30/01	2/30/01	2/30/01	2/30/01	2/30/01	2/30/01	3/15/01	4/15/01	
8	Site 24 pilot WP	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	
9	3rd and 5th St. pilot tech memo	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	

Notes:

Abbreviations:

TBD = To be determined
CAP = Corrective Action Plan
EE/CA = Engineering evaluation/Cost analysis
FOSL = Finding of suitability to lease
FOST = Finding of suitability to transfer
FS = Feasibility study
FSY = Former Storage Yard
PP = Proposed plan
QAPP = Quality assurance project plan
RAW = Removal action work plan
RD = Remedial Design
RI = Remedial investigation
WP = Work plan

TETRA TECH EM INC.

TRANSMITTAL/DELIVERABLE RECEIPT

Contract No. N62474-94-D-7609 Document Control No. TC. 0308 . 10900

TO: Mr. Richard Selby, Code 02R1
Contracting Officer
Naval Facilities Engineering Command
Southwest Division
1230 Columbia Street, Suite 1100
San Diego, CA 92132-5190

DATE: 05/01/01
CTO: 0308
LOCATION:
NAVSTA Treasure Island, San Francisco

FROM: Daniel Chow
Daniel Chow, Program Manager

DOCUMENT TITLE AND DATE:
Final RPM and BRAC Cleanup Team Meeting Minutes, October 3, 2000

TYPE: ☐ Contractual Deliverable ☐ Technical Deliverable ☒ Other

VERSION: Final (e.g., Draft, Draft Final, Final) REVISION #: NA

ADMIN RECORD: Yes ☒ No ☐ CATEGORY: Confidential ☐

SCHEDULED DELIVERY DATE: NA ACTUAL DELIVERY DATE: 05/02/01

NUMBER OF COPIES SUBMITTED TO NAVY: O/7C/8E

O = original transmittal form
C = copy of transmittal form
E = enclosure

COPIES TO: (Include Name, Navy Mail Code, and Number of Copies)

NAVY:	TtEMI:	OTHER:
Jim Sullivan (06CA.JS)	File/Doc Control (w/QC)	John Baur (IT) – 1E
O/1E	1C/1E	Gary Foote (Geomatrix) – 1E
Michael Bloom (06CT)	Virginia Demetrios	Sarah Raker (RWQCB) – 1E
1C/1E	1C/1E	David Rist (DTSC) - 1E
Tony Tactay (05TT)	Marcy Yeshnowski	
1C/1E	1C/1E (project room copy)	**Date/Time Received**
Steve Edde (06CA)		
1C/1E		
Basic Contract File (02R1)		
1C/1E		
Diane Silva (05GDS)*		
3C/3E		

TETRA TECH EM INC.

TRANSMITTAL/DELIVERABLE RECEIPT (continued)

COPIES TO (continued): (Include Name, Navy Mail Code, and Number of Copies)

Navy (continued):	TtEMI (continued):	OTHER (continued):
		Melissa Gunter (IWMB) 1E
		Phillip Ramsey (USEPA)-1E
		Martha Walters (SFRA)-1E
		Gary Foote (Geomatrix)-1E
		John Baur (IT) -1E
		Nathan Brennan (RAB)-1E
		James Aldrich (RAB) -1E
		Chris Shirley (RAB)-1E
		Richard Hansen (RAB)-1E
		Alice LaPierre (RAB)-1E
		Karen Mendelow (RAB)-1E
		Patricia Nelson (RAB)-1E
		Lew Schalit (RAB)-1E
		Harlan Van Wye (RAB)-1E
		Thomas Connelly(RAB)-1E
		Scott Lunt (RAB)-1E
		Natashia Harris(RAB)-1E
		Woods Baker-Cohn (RAB) 1E
		Michael Chamberlain (RAB) 1E
		Richard Champion (RAB) -1E
		Tim Dolan (RAB)-1E
		John Gee (RAB) -1E
		Gessica Johnston (RAB)-1E
		Bernard Kamerman(RAB)-1E
		Kristin Ohlson (RAB) -1E
		Walter Stortoen (RAB)-1E